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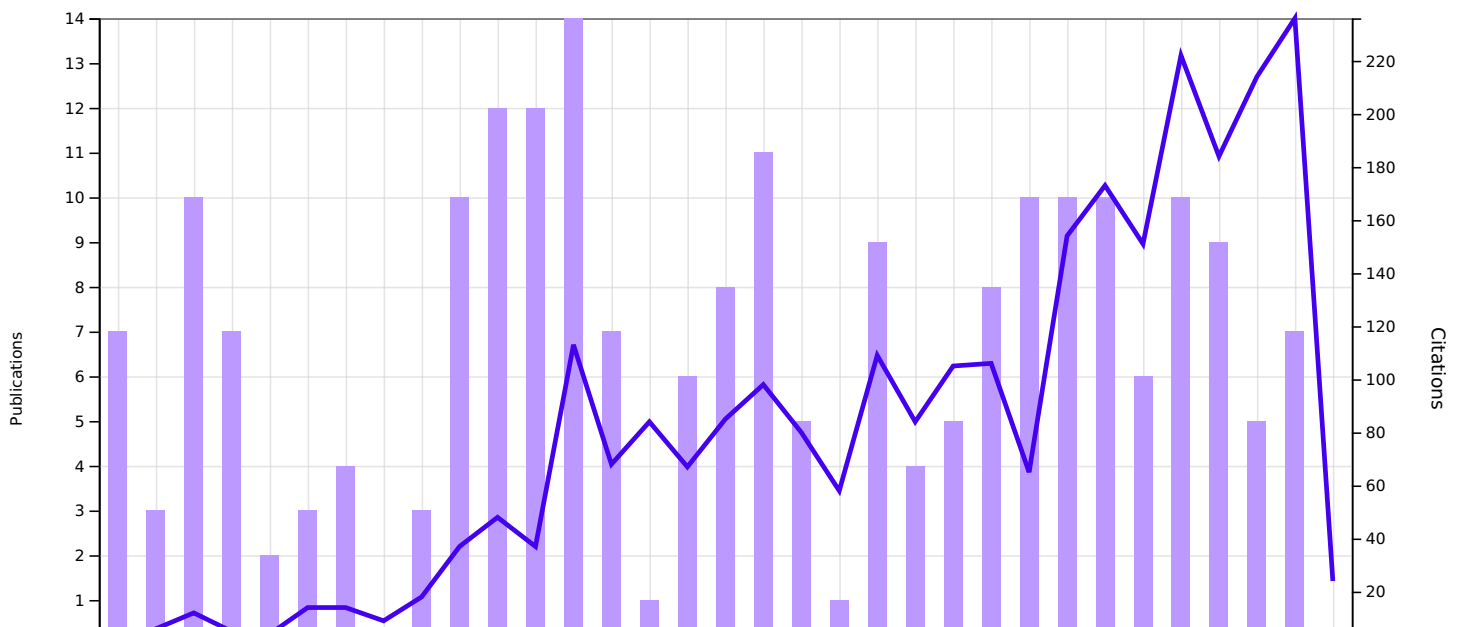

219 Publications

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| 1 | Computing relative stabilities of metallofullerenes by Gibbs energy treatments<br>Slanina, Z; Lee, SL; (...); Nagase, S<br>10th Electronic Computational Chemistry Conference<br>Feb 2007 \| THEORETICAL CHEMISTRY ACCOUNTS 117 (2) , pp.315-322 | 11 | 6 | 3 | 4 | 0 | 5.59 | 95 |
| 2 | AM1 COMPUTATIONS ON 7 ISOLATED-PENTAGON-RULE ISOMERS OF C-80<br>SUN, ML; SLANINA, Z; (...); ADAMOWICZ, L<br>Nov 17 1995 \| CHEMICAL PHYSICS LETTERS 246 (1-2) , pp.66-72 | 3 | 0 | 0 | 1 | 0 | 3.03 | 88 |
| 3 | Enhanced Relaxation and Intermixing in Ge Islands Grown on Pit-Patterned Si(001) Substrates<br>Schulli, TU; Vastola, G; (...); Bauer, G<br>Jan 16 2009 \| PHYSICAL REVIEW LETTERS 102 (2) | 2 | 0 | 0 | 0 | 0 | 5.47 | 82 |
| 4 | Enthalpy-entropy interplay for C-36 cages: B3LYP/6-31G(*) calculations<br>Slanina, Z; Uhlik, F; (...); Osawa, E<br>Sep 22 2000 \| JOURNAL OF CHEMICAL PHYSICS 113 (12) , pp.4933-4937 | 2 | 1 | 0 | 0 | 0 | 3.29 | 79 |
| 5 | Multicentre bond indices from the generalized population analysis of higher order densities<br>Ponec, R and Uhlik, F<br>10th Dubrovnik International Course / Conference MATH/CHEM/COMP<br>Nov 1996 \| CROATICA CHEMICA ACTA 69 (3) , pp.941-954 | 1 | 0 | 1 | 0 | 0 | 2.29 | 64 |
| 6 | La-2@C-72 and Sc-2@C-72: Computational characterizations<br>Slanina, Z; Chen, ZF; (...); Nagase, S<br>Feb 16 2006 \| JOURNAL OF PHYSICAL CHEMISTRY A 110 (6) , pp.2231-2234 | 2 | 1 | 1 | 1 | 0 | 3.17 | 57 |
| 7 | Computational modeling of the elemental catalysis in the Stone-Wales fullerene rearrangements<br>Slanina, Z; Zhao, X; (...); Osawa, E<br>Apr 9 2000 \| JOURNAL OF ORGANOMETALLIC CHEMISTRY 599 (1) , pp.57-61 | 3 | 2 | 2 | 3 | 0 | 2.25 | 54 |
| 8 | Modeling of Ionization and Conformations of Starlike Weak Polyelectrolytes<br>Uhlik, F; Kosovan, P; (...); Leermakers, FAM<br>Jun 24 2014 \| MACROMOLECULES 47 (12) , pp.4004-4016 | 9 | 5 | 9 | 6 | 0 | 5.2 | 52 |
| | Simulations of ionization equilibria in weak polyelectrolyte solutions and gels | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | Landsgesell, J; Nova, L; (...); Kosovan, P<br>Feb 14 2019 \| SOFT MATTER 15 (6) , pp.1155-1185 | 6 | 13 | 17 | 11 | 0 | 9.4 | 47 |
| 10 | Local pH and effective pK(A) of weak polyelectrolytes - insights from computer simulations<br>Nova, L; Uhlik, F and Kosovan, P<br>Jun 14 2017 \| PHYSICAL CHEMISTRY CHEMICAL PHYSICS 19 (22) , pp.14376-14387 | 10 | 9 | 9 | 9 | 3 | 6.71 | 47 |
| 11 | Electron pairing and chemical bonds. On the accuracy of the electron pair model of chemical bond<br>Ponec, R and Uhlik, F<br>Feb 28 1997 \| JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 391 (1-2) , pp.159-168 | 1 | 0 | 1 | 0 | 0 | 1.74 | 47 |
| 12 | Polyelectrolyte behavior of polystyrene-block-poly(methacrylic acid) micelles in aqueous solutions at low ionic strength<br>Matejicek, P; Podhajecka, K; (...); Spirkova, M<br>Dec 28 2004 \| MACROMOLECULES 37 (26) , pp.10141-10154 | 1 | 2 | 2 | 2 | 0 | 2.3 | 46 |
| 13 | Intrinsic Viscosity of Cyclic Polystyrene<br>Jeong, Y; Jin, Y; (...); Roovers, J<br>Oct 10 2017 \| MACROMOLECULES 50 (19) , pp.7770-7776 | 6 | 5 | 11 | 13 | 4 | 6.43 | 45 |
| 14 | Computed structure and energetics of La@C-60<br>Slanina, Z; Lee, SL; (...); Nagase, S<br>8th Annual Meeting of the V-A-Fock-School on Quantum and Computational Chemistry<br>Aug 5 2005 \| INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY 104 (2) , pp.272-277 | 4 | 3 | 3 | 3 | 0 | 2.37 | 45 |
| 15 | C5H3+ ISOMERIC STRUCTURES - RELATIVE STABILITIES AT HIGH-TEMPERATURES<br>SLANINA, Z; UHLIK, F and ZERNER, MC<br>Aug 1991 \| REVUE ROUMAINE DE CHIMIE 36 (8) , pp.965-974 | 4 | 3 | 1 | 2 | 0 | 1.3 | 43 |
| 16 | Facile Synthesis of an Extensive Family of Sc2O@C-2n(n=35-47) and Chemical Insight into the Smallest Member of Sc2O@C-2(7892)-C-70<br>Zhang, MR; Hao, YJ; (...); Cong, HL<br>Dec 11 2014 \| JOURNAL OF PHYSICAL CHEMISTRY C 118 (49) , pp.28883-28889 | 5 | 2 | 2 | 5 | 1 | 3.9 | 39 |
| 17 | Hiding and Recovering Electrons in a Dimetallic Endohedral Fullerene: Air-Stable Products from Radical Additions<br>Yamada, M; Kurihara, H; (...); Akasaka, T<br>Jan 14 2015 \| JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 137 (1) , pp.232-238 | 6 | 8 | 6 | 2 | 0 | 4.11 | 37 |
| 18 | Experimental study of hydrophobically modified amphiphilic block copolymer micelles using light scattering and nonradiative excitation energy transfer<br>Matejicek, P; Uhlik, F; (...); Webber, SE<br>Dec 3 2002 \| MACROMOLECULES 35 (25) , pp.9487-9496 | 0 | 1 | 1 | 1 | 0 | 1.68 | 37 |
| 19 | MPWB1K calculations of stepwise encapsulations: Li-x@C-60<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>Sep 22 2008 \| CHEMICAL PHYSICS LETTERS 463 (1-3) , pp.121-123 | 1 | 1 | 0 | 0 | 0 | 2.13 | 34 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 20 | Zeolite (In)Stability under Aqueous or Steaming Conditions<br>Heard, CJ; Grajciar, L; (...); Nachtigall, P<br>Nov 5 2020 \| Aug 2020 (Early Access) \| ADVANCED MATERIALS 32 (44) | 0 | 0 | 15 | 12 | 5 | 8 | 32 |
| 21 | Computed structures of two known Yb@ C-74 isomers<br>Slanina, Z; Uhlik, F and Nagase, S<br>Nov 30 2006 \| JOURNAL OF PHYSICAL CHEMISTRY A 110 (47) , pp.12860-12863 | 1 | 1 | 0 | 0 | 0 | 1.78 | 32 |
| 22 | Mg@C(72) MNDO/d evaluation of the isomeric composition<br>Slanina, Z; Zhao, X; (...); Nagase, S<br>2001 \| JOURNAL OF MOLECULAR GRAPHICS & MODELLING 19 (2) , pp.252-255 | 1 | 0 | 0 | 1 | 0 | 1.39 | 32 |
| 23 | Computing the relative gas-phase populations of C-60 and C-70: Beyond the traditional Delta H-f,298(o) scale<br>Slanina, Z; Zhao, XN; (...); Adamowicz, L<br>2001 \| JOURNAL OF MOLECULAR GRAPHICS & MODELLING 19 (2) , pp.216-221 | 0 | 0 | 0 | 0 | 0 | 1.35 | 31 |
| 24 | TEMPERATURE-DEPENDENCE OF THE GIBBS ENERGY ORDERING OF ISOMERS OF CL2O2<br>SLANINA, Z and UHLIK, F<br>Jul 11 1991 \| JOURNAL OF PHYSICAL CHEMISTRY 95 (14) , pp.5432-5434 | 3 | 2 | 1 | 3 | 0 | 0.94 | 31 |
| 25 | Isolation and Crystallographic Characterization of the Labile Isomer of Y@C-82 Cocrystallized with Ni(OEP): Unprecedented Dimerization of Pristine Metallofullerenes<br>Bao, LP; Pan, CW; (...); Lu, X<br>Aug 1 2016 \| ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 55 (32) , pp.9234-9238 | 11 | 5 | 4 | 0 | 0 | 3.75 | 30 |
| 26 | Intermixing in heteroepitaxial islands: fast, self-consistent calculation of the concentration profile minimizing the elastic energy<br>Gatti, R; Uhlik, F and Montalenti, F<br>Aug 28 2008 \| NEW JOURNAL OF PHYSICS 10 | 0 | 1 | 1 | 0 | 0 | 1.88 | 30 |
| 27 | Polyelectrolyte shells of copolymer micelles in aqueous solutions: A Monte Carlo study<br>Uhlik, F; Limpouchova, Z; (...); Prochazka, K<br>Aug 1 2004 \| JOURNAL OF CHEMICAL PHYSICS 121 (5) , pp.2367-2375 | 0 | 2 | 2 | 1 | 0 | 1.5 | 30 |
| 28 | Ab initio SCF nonlinear pair population analysis. A new means of detection and localization of multicenter bonding<br>Bochicchio, RC; Ponec, R and Uhlik, F<br>Nov 5 1997 \| INORGANIC CHEMISTRY 36 (23) , pp.5363-5368 | 0 | 0 | 0 | 0 | 0 | 1.11 | 30 |
| 29 | Sm@C-2V,(19138)-C-76: A Non-IPR Cage Stabilized by a Divalent Metal Ion<br>Hao, YJ; Feng, L; (...); Uhlik, F<br>May 4 2015 \| INORGANIC CHEMISTRY 54 (9) , pp.4243-4248 | 3 | 3 | 4 | 3 | 1 | 3 | 27 |
| | Computed Stabilities in Metallofullerene Series: Al@C-82, Sc@C-82, Y@C-82, and La@C-82 | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 30 | Slanina, Z; Uhlik, F; (...); Nagase, S<br>12th V A Fock Meeting on Quantum and Computational Chemistry<br>Sep 2011 \| INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY 111 (11) , pp.2712-2718 | 5 | 2 | 1 | 3 | 0 | 2 | 26 |
| 31 | Synthesis and photophysical properties of alpha,omega-bis(terpyridine)oligothiophenes<br>Svoboda, J; Stenclova, P; (...); Vohlidal, J<br>Jan 7 2011 \| TETRAHEDRON 67 (1) , pp.75-79 | 0 | 0 | 2 | 2 | 0 | 2 | 26 |
| 32 | Computing enthalpy-entropy interplay for isomeric fullerenes<br>Slanina, Z; Zhao, X; (...); Adamowicz, L<br>4th Congress of the International-Society-for-Theoretical-Chemical-Physics (ICTCP 4)<br>Sep 15 2004 \| INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY 99 (5) , pp.640-653 | 1 | 5 | 2 | 0 | 0 | 1.3 | 26 |
| 33 | Evidence for fullerenes in solid bitumen from pillow lavas of proterozoic age from Mitov (Bohemian Massif, Czech Republic)<br>Jehlicka, J; Svatos, A; (...); Uhlik, F<br>Apr 2003 \| GEOCHIMICA ET COSMOCHIMICA ACTA 67 (8) , pp.1495-1506 | 2 | 0 | 0 | 1 | 0 | 1.24 | 26 |
| 34 | Isomeric Sc2O@C-78 Related by a Single-Step Stone-Wales Transformation: Key Links in an Unprecedented Fullerene Formation Pathway<br>Hao, YJ; Tang, QQ; (...); Uhlik, F<br>Nov 7 2016 \| INORGANIC CHEMISTRY 55 (21) , pp.11354-11361 | 5 | 8 | 1 | 5 | 0 | 3 | 24 |
| 35 | C-78 IPR fullerenes: Computed B3LYP/6-31G*//HF/3-21G temperature-dependent relative concentrations<br>Uhlik, F; Slanina, Z and Osawa, E<br>10th International Symposium on Small Particles and Inorganic Clusters (ISSPIC 10)<br>Sep 2001 \| EUROPEAN PHYSICAL JOURNAL D 16 (1-3) , pp.349-352 | 0 | 2 | 0 | 0 | 0 | 1.04 | 24 |
| 36 | Charge-controlled nano-structuring in partially collapsed star-shaped macromolecules<br>Uhlik, F; Kosovan, P; (...); Borisov, OV<br>2016 \| SOFT MATTER 12 (21) , pp.4846-4852 | 6 | 3 | 4 | 1 | 0 | 2.88 | 23 |
| 37 | Silver(I) complexes with 1 '-(diphenylphosphino)-1-cyanoferrocene: the art of improvisation in coordination<br>Skoch, K; Uhlik, F; (...); Stepnicka, P<br>2016 \| DALTON TRANSACTIONS 45 (26) , pp.10655-10671 | 5 | 1 | 4 | 3 | 2 | 2.75 | 22 |
| 38 | Tuning intramolecular electron and energy transfer processes in novel conjugates of La-2@C-80 and electron accepting subphthalocyanines<br>Feng, L; Rudolf, M; (...); Akasaka, T<br>2015 \| CHEMICAL COMMUNICATIONS 51 (2) , pp.330-333 | 5 | 3 | 2 | 1 | 0 | 2.44 | 22 |
| 39 | Enhancing Built-In Electric Field and Defect Passivation through Gradient Doping in Inverted CsPbI2Br Perovskite Solar Cells<br>Han, DW; Yuan, Q; (...); Feng, L<br>Jan 2021 \| Dec 2020 (Early Access) \| SOLAR RRL 5 (1)<br>Enriched Cited References | 0 | 0 | 6 | 13 | 2 | 5.25 | 21 |

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|---|---|---|---|---|---|---|---|
| 40 | La-2@C-s(17490)-C-76: A New Non-IPR Dimetallic Metallofullerene Featuring Unexpectedly Weak Metal-Pentalene Interactions<br>Suzuki, M; Mizorogi, N; (...); Akasaka, T<br>Dec 9 2013 \| CHEMISTRY-A EUROPEAN JOURNAL 19 (50) , pp.17125-17130 | 1 | 2 | 1 | 1 | 0 | 1.91 | 21 |
| 41 | Isolation and Structural Characterization of Er@C-2v(9)-C-82 and Er@C-s(6)-C-82: Regioselective Dimerization of a Pristine Endohedral Metallofullerene Induced by Cage Symmetry<br>Hu, SF; Liu, T; (...); Lu, X<br>Feb 4 2019 \| INORGANIC CHEMISTRY 58 (3) , pp.2177-2182 | 4 | 9 | 5 | 2 | 0 | 4 | 20 |
| 42 | The Unanticipated Dimerization of Ce@C-2v(9)-C-82 upon Co-crystallization with Ni(octaethylporphyrin) and Comparison with Monomeric M@C-2v(9)-C-82 (M = La, Sc, and Y)<br>Suzuki, M; Yamada, M; (...); Akasaka, T<br>Dec 12 2016 \| CHEMISTRY-A EUROPEAN JOURNAL 22 (50) , pp.18115-18122 | 8 | 3 | 3 | 1 | 0 | 2.38 | 19 |
| 43 | Popular C-82 Fullerene Cage Encapsulating a Divalent Metal Ion Sm2+: Structure and Electrochemistry<br>Hu, ZQ; Hao, YJ; (...); Feng, L<br>Mar 2 2015 \| INORGANIC CHEMISTRY 54 (5) , pp.2103-2108 | 7 | 0 | 2 | 1 | 1 | 2.11 | 19 |
| 44 | A Monte Carlo study of shells of hydrophobically modified amphiphilic copolymer micelles in polar solvents<br>Uhlik, F; Limpouchova, Z; (...); Prochazka, K<br>Jun 22 2003 \| JOURNAL OF CHEMICAL PHYSICS 118 (24) , pp.11258-11264 | 0 | 1 | 1 | 1 | 0 | 0.9 | 19 |
| 45 | Nonradiative excitation energy transfer in hydrophobically modified amphiphilic block copolymer micelles. theoretical model and Monte Carlo simulations<br>Uhlik, F; Limpouchova, Z; (...); Webber, SE<br>Dec 3 2002 \| MACROMOLECULES 35 (25) , pp.9497-9505 | 0 | 1 | 0 | 0 | 0 | 0.86 | 19 |
| 46 | Computed structures and relative stabilities of Be@C-74<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>10th Annual Meeting of the V-A-Fock-School on Quantum and Computational Chemistry<br>Nov 5 2007 \| INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY 107 (13) , pp.2494-2498 | 0 | 0 | 0 | 0 | 0 | 1.06 | 18 |
| 47 | Eu@C-72: Computed Comparable Populations of Two Non-IPR Isomers<br>Slanina, Z; Uhlik, F; (...); Lu, X<br>Jul 2017 \| MOLECULES 22 (7) | 5 | 3 | 2 | 6 | 0 | 2.43 | 17 |
| 48 | Calculations of Metallofullerene Yields<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>Nov 2011 \| JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE 8 (11) , pp.2233-2239 | 1 | 0 | 0 | 1 | 0 | 1.31 | 17 |
| 49 | Computed stabilization for a giant fullerene endohedral: Y2C2@C-1(1660)-C-108<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Oct 16 2018 \| CHEMICAL PHYSICS LETTERS 710 , pp.147-149 | 5 | 5 | 1 | 5 | 0 | 2.67 | 16 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ⊖ 50 | Local pH and Effective pK of a Polyelectrolyte Chain: Two Names for One Quantity?<br>Murmiliuk, A; Kosovan, P; (...); Stepanek, M<br>Oct 2018 \| ACS MACRO LETTERS 7 (10) , pp.1243-1247 | 3 | 4 | 5 | 4 | 0 | 2.67 | 16 |

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| 51 | Structural and electrochemical studies of Sm@D-3h-C-74 reveal a weak metal-cage interaction and a small band gap species<br>Xu, W; Hao, YJ; (...); Feng, L<br>2013 \| NANOSCALE 5 (21) , pp.10409-10413 | 1 | 0 | 1 | 0 | 1 | 1.45 | 16 |
| 52 | Ho2O@C-74: Ho2O Cluster Expands within a Small Non-IPR Fullerene Cage of C-2(13333)-C-74<br>Liu, A; Nie, MZ; (...); Uhlik, F<br>Apr 15 2019 \| INORGANIC CHEMISTRY 58 (8) , pp.4774-4781 | 3 | 5 | 1 | 6 | 0 | 3 | 15 |
| 53 | Adamantylidene Addition to M3N@I-h-C-80 (M=Sc, Lu) and Sc3N@D-5h-C-80: Synthesis and Crystallographic Characterization of the [5,6]-Open and [6,6]-Open Adducts<br>Yamada, M; Abe, T; (...); Akasaka, T<br>May 11 2017 \| CHEMISTRY-A EUROPEAN JOURNAL 23 (27) , pp.6552-6561 | 3 | 3 | 2 | 2 | 0 | 2 | 14 |
| 54 | Mean squared displacement from fluorescence correlation spectroscopy<br>Kubecka, J; Uhlik, F and Kosovan, P<br>2016 \| SOFT MATTER 12 (16) , pp.3760-3769 | 2 | 0 | 4 | 3 | 0 | 1.75 | 14 |
| 55 | Synthesis of phosphinoferrocene amides and thioamides from carbamoyl chlorides and the structural chemistry of Group 11 metal complexes with these mixed-donor ligands<br>Fernandes, TA; Solarova, H; (...); Stepnicka, P<br>2015 \| DALTON TRANSACTIONS 44 (7) , pp.3092-3108 | 2 | 0 | 1 | 4 | 0 | 1.56 | 14 |
| 56 | Computations on Three Isomers of La@C-74<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>Nov 15 2008 \| INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY 108 (14) , pp.2636-2640 | 0 | 0 | 0 | 0 | 0 | 0.88 | 14 |
| 57 | Excited electronic states and relative stabilities of C-80<br>Slanina, Z; Lee, SL; (...); Nagase, S<br>9th Annual Meeting of the V-A-Fock-School on Quantum and Computational Chemistry<br>Aug 15 2006 \| INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY 106 (10) , pp.2222-2228 | 1 | 1 | 0 | 0 | 0 | 0.78 | 14 |
| 58 | Reaction of zirconacyclopentadienes with ethynylferrocenes<br>Dufkova, L; Matsumura, H; (...); Kotora, M<br>2004 \| COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 69 (2) , pp.351-364 | 0 | 0 | 1 | 0 | 0 | 0.7 | 14 |

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|---|---|---|---|---|---|---|---|---|
| 59 | Computations of model narrow nanotubes closed by fragments of smaller fullerenes and quasi-fullerenes<br>Slanina, Z; Uhlik, F and Adamowicz, L<br>Jun 2003 \| JOURNAL OF MOLECULAR GRAPHICS & MODELLING 21 (6) , pp.517-522 | 0 | 0 | 0 | 0 | 0 | 0.67 | 14 |
| 60 | Multivalent counterions accumulate in star-like polyelectrolytes and collapse the polymer in spite of increasing its ionization<br>Stano, R; Nova, L; (...); Kosovan, P<br>Jan 28 2020 \| SOFT MATTER 16 (4) , pp.1047-1055 | 0 | 2 | 4 | 6 | 1 | 3.25 | 13 |
| 61 | Comparing the reactivity of isomeric phosphinoferrocene nitrile and isocyanide in Pd(ii) complexes: synthesis of simple coordination compounds vs. preparation of P-chelated insertion products and Fischer-type carbenes<br>Skoch, K; Cisarova, I; (...); Stepnicka, P<br>Dec 7 2018 \| DALTON TRANSACTIONS 47 (45) , pp.16082-16101 | 4 | 4 | 3 | 2 | 0 | 2.17 | 13 |
| 62 | Probing the Influence of Phosphine Substituents on the Donor and Catalytic Properties of Phosphinoferrocene Carboxamides: A Combined Experimental and Theoretical Study<br>Schulz, J; Vosahlo, P; (...); Stepnicka, P<br>May 8 2017 \| ORGANOMETALLICS 36 (9) , pp.1828-1841 | 4 | 0 | 0 | 3 | 1 | 1.86 | 13 |
| 63 | Endohedrally stabilized C-70 isomer with fused pentagons characterized by crystallography<br>Feng, L; Zhang, MR; (...); Uhlik, F<br>2016 \| DALTON TRANSACTIONS 45 (19) , pp.8142-8148 | 4 | 2 | 0 | 2 | 0 | 1.63 | 13 |
| 64 | Calculations of the water-dimer encapsulations into C-84<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>2016 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 24 (1) , pp.1-7 | 2 | 0 | 4 | 1 | 0 | 1.63 | 13 |
| 65 | Synthesis, Crystal Structures, and Electrochemical Behavior of Fe-Ru Heterobimetallic Complexes with Bridged Metallocene Units<br>Schulz, J; Uhlik, F; (...); Stepnicka, P<br>Sep 22 2014 \| ORGANOMETALLICS 33 (18) , pp.5020-5032 | 1 | 2 | 2 | 1 | 1 | 1.3 | 13 |
| 66 | Synthesis and characterisation of Dewar benzene-ferrocene conjugates<br>Jankova, S; Cisarova, I; (...); Kotora, M<br>2009 \| DALTON TRANSACTIONS (17) , pp.3137-3139 | 1 | 1 | 1 | 2 | 0 | 0.87 | 13 |
| 67 | Computations on C84O: thermodynamic, kinetic and photochemical stability<br>Slanina, Z; Uhlik, F; (...); Osawa, E<br>Sep 27 2004 \| JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 684 (1-3) , pp.129-133 | 0 | 0 | 0 | 0 | 0 | 0.65 | 13 |
| 68 | Quantum-chemical calculations of model systems of interest in fullerene-based superconductivity<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Jun 2003 \| JOURNAL OF LOW TEMPERATURE PHYSICS 131 (5-6) , pp.1259-1263 | 2 | 0 | 0 | 0 | 0 | 0.62 | 13 |
| | Computing molecular complexes in Earth's and other atmospheres<br>Slanina, Z; Uhlik, F; (...); Osawa, E | | | | | | | |

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|---|---|---|---|---|---|---|---|
| 69 | 25th General Assembly of the European-Geophysical-Society<br>2001 \|<br>PHYSICS AND CHEMISTRY OF THE EARTH PART C-SOLAR-TERRESTIAL AND PLANETARY SCIENCE 26 (7) , pp.505-511 | 0 | 0 | 1 | 1 | 0 | 0.57 | 13 |
| 70 | Evaluation of the relative stabilities of two non-IPR isomers of Sm@C-76<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>2016 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 24 (5) , pp.339-344 | 2 | 2 | 1 | 2 | 0 | 1.5 | 12 |
| 71 | Water-Dimer Stability and Its Fullerene Encapsulations<br>Uhlik, F; Slanina, Z; (...); Nagase, S<br>Jun 2015 \| JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE 12 (6) , pp.959-964 | 0 | 0 | 3 | 1 | 0 | 1.33 | 12 |
| 72 | A fast computational method for determining equilibrium concentration profiles in intermixed nanoislands<br>Uhlik, F; Gatti, R and Montalenti, F<br>Feb 25 2009 \| JOURNAL OF PHYSICS-CONDENSED MATTER 21 (8) | 0 | 0 | 0 | 1 | 0 | 0.8 | 12 |
| 73 | Electronic excited states and stabilities of fullerenes: Isomers of C-78 and Mg@C-72<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>6th Annual Meeting of the V A Fock School on Quantum and Computational Chemistry<br>Nov 15 2004 \| INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY 100 (4) , pp.610-616 | 1 | 0 | 0 | 0 | 0 | 0.6 | 12 |
| 74 | A computational characterization of CO@C-60<br>Slanina, Z; Uhlik, F; (...); Lu, X<br>2017 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 25 (11) , pp.624-629 | 1 | 1 | 3 | 2 | 0 | 1.57 | 11 |
| 75 | Li-x@C-60: Calculations of the encapsulation energetics and thermodynamics<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>Sep 2008 \| INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 9 (9) , pp.1841-1850 | 1 | 0 | 1 | 0 | 0 | 0.69 | 11 |
| 76 | Hydrophobically modified amphiphilic block copolymer micelles in non-aqueous polar solvents. Fluorometric, light scattering and computer-based Monte Carlo study<br>Matejicek, P; Uhlik, F; (...); Webber, SE<br>2002 \| COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 67 (5) , pp.531-556 | 0 | 1 | 0 | 0 | 0 | 0.5 | 11 |
| 77 | Synthesis and non-conventional structure of square-planar Pd(II) and Pt(II) complexes with an N,C,N-chelated stibinidene ligand<br>Korenkova, M; Hejda, M; (...); Dostal, L<br>Apr 28 2018 \| DALTON TRANSACTIONS 47 (16) , pp.5812-5822 | 2 | 1 | 2 | 4 | 0 | 1.67 | 10 |
| 78 | Stability Computations for Isomers of La@C-n (n=72, 74, 76)<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>Nov 2012 \| MOLECULES 17 (11) , pp.13146-13156 | 1 | 0 | 0 | 0 | 0 | 0.83 | 10 |
| 79 | SCF study of Amphiphilic micellar shells containing polyelectrolyte and hydrophobic sequences<br>Jelinek, K; Limpouchova, Z; (...); Prochazka, K<br>Oct 16 2007 \| MACROMOLECULES 40 (21) , pp.7656-7664 | 0 | 1 | 0 | 0 | 0 | 0.59 | 10 |

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|---|---|---|---|---|---|---|---|---|
| 80 | A computational treatment of 35 IPR isomers of C(88)<br>Slanina, Z; Uhlik, F; (...); Osawa, E<br>2000 \| FULLERENE SCIENCE AND TECHNOLOGY 8 (4-5) , pp.417-432 | 0 | 0 | 0 | 1 | 0 | 0.42 | 10 |
| 81 | AM1 COMPUTED RELATIVE EQUILIBRIUM POPULATIONS OF THE (6/6) AND (5/6) METHANOBUCKMINSTERFULLERENES C61H2<br>SLANINA, Z; LEE, SL; (...); ADAMOWICZ, L<br>Oct 7 1994 \| CHEMICAL PHYSICS LETTERS 228 (4-5) , pp.490-494 | 0 | 0 | 0 | 0 | 0 | 0.33 | 10 |
| 82 | COMPUTATIONAL STUDIES OF ATMOSPHERIC CHEMISTRY SPECIES .16. A COMPUTATIONAL THERMODYNAMIC EVALUATION OF THE ALTITUDE PROFILES OF (N2)2, N2-O2 AND (O2)2 IN THE EARTHS ATMOSPHERE<br>SLANINA, Z; UHLIK, F; (...); HINCHLIFFE, A<br>Jan 10 1994 \| THERMOCHIMICA ACTA 231 , pp.55-60 | 0 | 0 | 0 | 0 | 0 | 0.33 | 10 |
| 83 | COMPUTATIONAL STUDIES OF ATMOSPHERIC CHEMISTRY SPECIES .6. AN ABINITIO CORRELATED STUDY OF STRUCTURE, ENERGETICS AND VIBRATIONS OF (N2)2(ALPHA)<br>UHLIK, F; SLANINA, Z and HINCHLIFFE, A<br>Jun 1993 \| JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 101 (3) , pp.271-275 | 0 | 0 | 0 | 0 | 0 | 0.32 | 10 |
| 84 | A COMPUTATIONAL EVALUATION OF THE WATER-DIMER POPULATIONS IN SATURATED STEAM RECOMMENDED FOR APPLICATIONS TO THE EARTHS, PLANETARY AND COMETARY ATMOSPHERES<br>SLANINA, Z; UHLIK, F and CRIFO, JF<br>Jul 1992 \| JOURNAL OF MOLECULAR STRUCTURE 270 , pp.1-9 | 0 | 0 | 1 | 0 | 0 | 0.31 | 10 |
| 85 | AN ESTIMATION OF DIMERIZATION ENERGETICS OF THE CLO RADICAL<br>SLANINA, Z and UHLIK, F<br>Jul 19 1991 \| CHEMICAL PHYSICS LETTERS 182 (1) , pp.51-56 | 0 | 0 | 0 | 0 | 0 | 0.3 | 10 |
| 86 | Antimony(i) -> Pd(ii) complexes with the (mu-Sb)Pd-2 coordination framework<br>Korenkova, M; Hejda, M; (...); Dostal, L<br>Aug 21 2019 \| DALTON TRANSACTIONS 48 (31) , pp.11912-11920 | 1 | 2 | 2 | 4 | 0 | 1.8 | 9 |
| 87 | Ho2O@C-84: Crystallographic Evidence Showing Linear Metallic Oxide Cluster Encapsulated in IPR Fullerene Cage of D-2d(51591)-C-84<br>Cong, HL; Liu, A; (...); Uhlik, F<br>Aug 19 2019 \| INORGANIC CHEMISTRY 58 (16) , pp.10905-10911 | 1 | 3 | 1 | 4 | 0 | 1.8 | 9 |
| 88 | Interactions of star-like polyelectrolyte micelles with hydrophobic counterions<br>Fernandez-Alvarez, R; Nova, L; (...); Matejicek, P<br>Jun 15 2019 \| JOURNAL OF COLLOID AND INTERFACE SCIENCE 546 , pp.371-380 | 0 | 4 | 1 | 3 | 1 | 1.8 | 9 |
| 89 | Computed Relative Populations of D-2(22)-C-84 Endohedrals with Encapsulated Monomeric and Dimeric Water<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Apr 18 2016 \| CHEMPHYSCHEM 17 (8) , pp.1109-1111 | 0 | 0 | 4 | 0 | 0 | 1.13 | 9 |

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|---|---|---|---|---|---|---|---|---|
| ⊖ 90 | Calculated Temperature Development of the Relative Stabilities of Yb@C-82 Isomers<br>Slanina, Z; Uhlik, F; (...); Akasaka, T<br>Jan 1 2014 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 22 (1-3) , pp.147-154 | 3 | 0 | 1 | 1 | 0 | 0.9 | 9 |
| ⊖ 91 | Stability calculations for Eu@C74 isomers<br>Uhlik, F; Slanina, Z; (...); Nagase, S<br>Mar 5 2013 \| INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY 113 (5) , pp.729-733 | 1 | 3 | 0 | 1 | 0 | 0.82 | 9 |
| ⊖ 92 | Calculated relative yields for Sc2S@C-82 and Y2S@C-82<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Oct 2011 \| THEORETICAL CHEMISTRY ACCOUNTS 130 (2-3) , pp.549-554 | 1 | 0 | 0 | 0 | 0 | 0.69 | 9 |
| ⊖ 93 | Computations of endohedral fullerenes: The Gibbs energy treatment<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>2006 \| JOURNAL OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING 6 (1-4) , pp.243-250 | 1 | 1 | 0 | 0 | 0 | 0.5 | 9 |
| ⊖ 94 | C94IPR isomeric set: large-scale computations of relative stabilities based on the Gibbs function<br>Slanina, Z; Zhao, X; (...); Lee, SL<br>6th World Congress of Theoretically Oriented Chemists (WATOC)<br>Jul 25 2003 \| JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 630 , pp.205-213 | 0 | 1 | 0 | 0 | 0 | 0.43 | 9 |
| ⊖ 95 | Energy-entropy interplay of C60F36 isomers<br>Slanina, Z and Uhlik, F<br>Jun 4 2003 \| CHEMICAL PHYSICS LETTERS 374 (1-2) , pp.100-103 | 0 | 0 | 0 | 0 | 0 | 0.43 | 9 |
| ⊖ 96 | Thermodynamic data bases and optical isomerism<br>Slanina, Z; Uhlik, F; (...); Osawa, E<br>14th Dubrovnik International Course and Conference on the Interfaces between Mathematics, Chemistry and Computer Sciences<br>Dec 2000 \| CROATICA CHEMICA ACTA 73 (4) , pp.1047-1055 | 1 | 0 | 1 | 0 | 0 | 0.38 | 9 |
| ⊖ 97 | Thermodynamic properties of He inside fullerenes and nanotubes<br>Uhlik, F; Slanina, Z and Osawa, E<br>8th Biennial International Workshop on Fullerenes and Atomic Clusters (IWFAC 99)<br>2000 \| MOLECULAR MATERIALS 13 (1-4) , pp.231-238 | 1 | 0 | 0 | 0 | 0 | 0.38 | 9 |
| ⊖ 98 | Calculated relative populations for the Eu@C-82 isomers<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Jul 2019 \| CHEMICAL PHYSICS LETTERS 726 , pp.29-33 | 2 | 2 | 1 | 3 | 0 | 1.6 | 8 |
| ⊖ 99 | Fluorescence Spectroscopy as a Tool for Investigating the Self-Organized Polyelectrolyte Systems<br>Prochazka, K; Limpouchova, Z; (...); Hof, M<br>2011 \| SELF ORGANIZED NANOSTRUCTURES OF AMPHIPHILIC BLOCK COPOLYMERS I 241 , pp.187-249 | 0 | 0 | 0 | 0 | 0 | 0.62 | 8 |
| | Mg@C-74 isomers: Calculated relative concentrations and comparison with Ca@C-74 | | | | | | | |

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|---|---|---|---|---|---|---|---|
| ⊖ 100 | Uhlik, F; Slanina, Z and Nagase, S<br>7th International Conference on Trends in Nanotechnology (TNT 2006)<br>Jun 2007 \| PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE 204 (6) , pp.1905-1910 | 0 | 0 | 0 | 0 | 0 | 0.47 | 8 |

Citation Report Publications Table

219 Publications

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| | | < Previous year | | | | Next year > | Average per year | Total |
| | | 2019 | 2020 | 2021 | 2022 | 2023 | | |
| 101 | Model narrow nanotubes related to C-36, C-32 and C-20: initial computational structural sampling<br>Slanina, Z; Zhao, X and Uhlik, F<br>6th International Conference on Atomically Controlled Surfaces Interfaces and Nanostructures (ACSIN-6)<br>Nov 1 2002 \| MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY<br>96 (2) , pp.164-168 | 0 | 1 | 2 | 1 | 0 | 0.36 | 8 |
| 102 | Isomeric C60F36(g) species: Computed structures and heats of formation<br>Slanina, Z; Uhlik, F; (...); Kolesov, VP<br>5th International Workshop on Fullerene and Atomic Clusters<br>2002 \| PHYSICS OF THE SOLID STATE 44 (3) , pp.534-535 | 0 | 0 | 0 | 0 | 0 | 0.36 | 8 |
| 103 | Non-IPR fullerenes: C-36 and C-72<br>Slanina, Z; Zhao, X; (...); Osawa, E<br>13th International Winterschool on Electronic Properties of Novel Materials<br>1999 \| ELECTRONIC PROPERTIES OF NOVEL MATERIALS - SCIENCE AND TECHNOLOGY OF MOLECULAR NANOSTRUCTURES<br>486 , pp.179-182 | 0 | 0 | 0 | 0 | 0 | 0.32 | 8 |
| 104 | ELECTRON PAIRING AND CHEMICAL-BONDS - PHYSICAL MEANING OF EFFECTIVE PAIRS<br>PONEC, R and UHLIK, F<br>Dec 1994 \| COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 59 (12) , pp.2567-2578 | 0 | 0 | 0 | 0 | 0 | 0.27 | 8 |
| 105 | Enhancing photovoltaic performance of inverted perovskite solar cells via imidazole and benzoimidazole doping of PC61BM electron transport layer<br>Wang, Y; Yang, Y; (...); Feng, L<br>Mar 2020 \| ORGANIC ELECTRONICS 78 | 0 | 0 | 5 | 2 | 0 | 1.75 | 7 |
| 106 | Calculated relative populations of Sm@C-82 isomers<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>2018 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 26 (5) , pp.233-238 | 4 | 0 | 1 | 2 | 0 | 1.17 | 7 |
| 107 | Sc2O@C-78: Calculations of the yield ratio for two observed isomers<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>2017 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 25 (2) , pp.124-127 | 1 | 0 | 0 | 0 | 0 | 1 | 7 |
| 108 | Thermodynamics of Small Alkali Metal Halide Cluster Ions: Comparison of Classical Molecular Simulations with Experiment and Quantum Chemistry | 0 | 0 | 0 | 0 | 0 | 0.78 | 7 |

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|---|---|---|---|---|---|---|---|---|
| | Vlcek, L; Uhlik, F; (...); Chialvo, AA<br>Jan 22 2015 \| JOURNAL OF PHYSICAL CHEMISTRY A 119 (3) , pp.488-500 | 0 | 0 | 0 | 0 | 0 | 0.78 | 7 |
| 109 | Stabilities of fullerenes: Illustration on C-80<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>2008 \| MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY 59 (1) , pp.225-238 | 0 | 0 | 1 | 0 | 0 | 0.44 | 7 |
| 110 | Computational screening of metallofullerenes for nanoscience: Sr@C-74<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>2008 \| MOLECULAR SIMULATION 34 (1) , pp.17-21 | 0 | 0 | 0 | 0 | 0 | 0.44 | 7 |
| 111 | Computations of production yields for Ba@C-74 and Yb@C-74<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>Nanotech 2006 Conference<br>2007 \| MOLECULAR SIMULATION 33 (7) , pp.563-568 | 0 | 0 | 0 | 0 | 0 | 0.41 | 7 |
| 112 | Mean-field study of poly(methacrylic acid) shells in partly hydrophobically modified amphiphilic block copolymer micelles in polar solvents<br>Jelinek, K; Uhlik, F; (...); Prochazka, K<br>4th International Symposium on Polyelectrolytes<br>Aug 14 2003 \| JOURNAL OF PHYSICAL CHEMISTRY B 107 (32) , pp.8241-8247 | 0 | 1 | 0 | 0 | 0 | 0.33 | 7 |
| 113 | Thermodynamic properties of He@C-60<br>Uhlik, F; Slanina, Z and Osawa, E<br>2000 \| FULLERENE SCIENCE AND TECHNOLOGY 8 (4-5) , pp.453-460 | 1 | 0 | 0 | 1 | 0 | 0.29 | 7 |
| 114 | On the definitions of bond index and valence for correlated wave functions<br>Ponec, R; Uhlik, F; (...); Jug, K<br>10th Dubrovnik International Course / Conference MATH/CHEM/COMP<br>Nov 1996 \| CROATICA CHEMICA ACTA 69 (3) , pp.933-940 | 0 | 0 | 1 | 0 | 0 | 0.25 | 7 |
| 115 | POPULATION ANALYSIS OF PAIR DENSITIES - A STUDY OF BASSIS SET DEPENDENCE<br>PONEC, R; UHLIK, F and COOPER, DL<br>Apr 1995 \| CROATICA CHEMICA ACTA 68 (1) , pp.149-155 | 0 | 0 | 0 | 0 | 0 | 0.24 | 7 |
| 116 | COMPUTATIONAL STUDIES OF ATMOSPHERIC CHEMISTRY SPECIES .13. AN AB-INITIO CORRELATED STUDY OF STRUCTURE, ENERGETICS AND VIBRATIONS OF (O2)2(ALPHA)<br>UHLIK, F; SLANINA, Z and HINCHLIFFE, A<br>Oct 22 1993 \| JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 104 (3) , pp.273-276 | 0 | 0 | 0 | 0 | 0 | 0.23 | 7 |
| 117 | Calculations of the relative populations of Lu@C-82 isomers<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Sep 2 2019 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 27 (9) , pp.710-714 | 1 | 1 | 1 | 3 | 0 | 1.2 | 6 |
| 118 | COMPUTATIONAL STUDIES OF ATMOSPHERIC CHEMISTRY SPECIES .12. COMPUTED GAS-PHASE THERMODYNAMICS OF THE N2-O2 COMPLEXES<br>UHLIK, F; SLANINA, Z; (...); HINCHLIFFE, A<br>Sep 30 1993 \| THERMOCHIMICA ACTA 225 (1) , pp.1-7 | 0 | 0 | 0 | 0 | 0 | 0.19 | 6 |

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|---|---|---|---|---|---|---|---|---|
| 119 | Eu@C-86 isomers: Calculated relative populations<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Jul 2 2020 \| Feb 2020 (Early Access) \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES<br>28 (7) , pp.565-570 | 0 | 2 | 1 | 2 | 0 | 1.25 | 5 |
| 120 | Computational Modeling of the Ce@C-82 Metallofullerene Isomeric Composition<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Dec 2 2019 \| ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY 8 (12) , pp.M118-M121 | 0 | 2 | 1 | 2 | 0 | 1 | 5 |
| 121 | Computational Comparison of the Water-Dimer Encapsulations into D-2(22)-C-84 and D-2d(23)-C-84<br>Slanina, Z; Uhlik, F; (...); Lu, X<br>2017 \| ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY 6 (6) , pp.M3113-M3115 | 0 | 0 | 3 | 0 | 0 | 0.71 | 5 |
| 122 | Stability issues in computational screening of carbon nanostructures: illustrations on La endohedrals<br>Slanina, Z; Uhlik, F; (...); Lu, X<br>2017 \| MOLECULAR SIMULATION 43 (17) , pp.1472-1479 | 2 | 0 | 0 | 0 | 0 | 0.71 | 5 |
| 123 | Water-Dimer Stability and Its Fullerene Encapsulations (vol 12, pg 959, 2015)<br>Uhlik, F; Slanina, Z; (...); Nagase, S<br>Sep 2015 \| JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE 12 (9) , pp.2622-2622 | 0 | 0 | 1 | 0 | 0 | 0.56 | 5 |
| 124 | Unprecedented Chemical Reactivity of a Paramagnetic Endohedral Metallofullerene La@C-5-C-82 that Leads Hydrogen Addition in the 1,3-Dipolar Cycloaddition Reaction<br>Takano, Y; Slanina, Z; (...); Akasaka, T<br>Dec 17 2014 \| JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 136 (50) , pp.17537-17546 | 2 | 2 | 0 | 0 | 0 | 0.5 | 5 |
| 125 | Synthesis, molecular structure, electrochemistry and DFT study of a ferrocenyl-substituted 4-quinazolinone and related heterocycles<br>Tauchman, J; Hladikova, K; (...); Stepnicka, P<br>2013 \| NEW JOURNAL OF CHEMISTRY 37 (7) , pp.2019-2030 | 0 | 0 | 0 | 0 | 0 | 0.45 | 5 |
| 126 | Predicted stabilities of endohedral metallo-fullerenes La@C76<br>Uhlik, F; Slanina, Z; (...); Nagase, S<br>Dec 2012 \| PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS 249 (12) , pp.2585-2587 | 0 | 0 | 0 | 0 | 0 | 0.42 | 5 |
| 127 | Double-exponential decay of orientational correlations in semiflexible polyelectrolytes<br>Bacova, P; Kosovan, P; (...); Prochazka, K<br>Jun 2012 \| EUROPEAN PHYSICAL JOURNAL E 35 (6) | 0 | 0 | 1 | 0 | 0 | 0.42 | 5 |
| 128 | Stimuli-responsive amphiphilic shells of kinetically frozen polymeric micelles in aqueous media: Monte Carlo simulations and comparison to self-consistent field calculations<br>Uhlik, F; Jelinek, K; (...); Prochazka, K<br>May 27 2008 \| MACROMOLECULES 41 (10) , pp.3711-3719 | 0 | 1 | 0 | 0 | 0 | 0.31 | 5 |

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|---|---|---|---|---|---|---|---|
| 129 | COMPUTATIONAL STUDIES OF ATMOSPHERIC CHEMISTRY SPECIES .22. A COMPUTATIONAL STUDY OF CLONO2H+ - STRUCTURE AND VIBRATIONS<br>SLANINA, Z; UHLIK, F and HINCHLIFFE, A<br>1994 \| SPECTROSCOPY LETTERS 27 (4) , pp.563-571 | 0 | 0 | 1 | 0 | 0 | 0.17 | 5 |
| 130 | COMPUTATIONAL STUDIES OF ATMOSPHERIC CHEMISTRY SPECIES .14. GAS-PHASE ASSOCIATION OF O-2 - A COMPUTATIONAL THERMODYNAMIC STUDY<br>UHLIK, F; SLANINA, Z and HINCHLIFFE, A<br>Nov 15 1993 \| THERMOCHIMICA ACTA 228 , pp.9-14 | 0 | 0 | 0 | 0 | 0 | 0.16 | 5 |
| 131 | Ho2O@D-3(85)-C-92: Highly Stretched Cluster Dictated by a Giant Cage and Unexplored Isomerization<br>Yu, YL; Slanina, Z; (...); Feng, L<br>Aug 3 2020 \| INORGANIC CHEMISTRY 59 (15) , pp.11020-11027 | 0 | 0 | 1 | 3 | 0 | 1 | 4 |
| 132 | The drag of the tails: Diffusion of sticky nanoparticles in dilute polymer solutions<br>Kuldova, J; Uhlik, F and Kosovan, P<br>Dec 28 2015 \| JOURNAL OF CHEMICAL PHYSICS 143 (24) | 0 | 0 | 1 | 0 | 0 | 0.44 | 4 |
| 133 | Sm@C-74: Computed Relative Isomeric Populations<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>Jan 1 2014 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 22 (1-3) , pp.235-242 | 0 | 0 | 0 | 0 | 0 | 0.4 | 4 |
| 134 | Towards Relative Populations of Non-Isomeric Metallofullerenes: La@C-76(T-d) vs. La-2@C-76(C-S, 17490)<br>Slanina, Z; Uhlik, F; (...); Akasaka, T<br>Jan 1 2014 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 22 (1-3) , pp.299-306 | 0 | 0 | 1 | 0 | 0 | 0.4 | 4 |
| 135 | MONTE CARLO SIMULATION OF FLUORESCENCE CORRELATION SPECTROSCOPY DATA<br>Kosovan, P; Uhlik, F; (...); Hof, M<br>2011 \| COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 76 (3) , pp.207-222 | 0 | 0 | 0 | 1 | 0 | 0.31 | 4 |
| 136 | Depletion profiles for dilute solutions of linear chains, stars and H-branched molecules by self-consistent field calculations and Monte Carlo simulations<br>Preisler, Z; Kosovan, P; (...); Leermakers, FAM<br>2011 \| SOFT MATTER 7 (21) , pp.10258-10265 | 0 | 0 | 1 | 0 | 0 | 0.31 | 4 |
| 137 | Computations of the catalytic effects in the Stone-Wales fullerene isomerizations: N and CN agents<br>Slanina, Z; Uhlik, F; (...); Lee, SL<br>4th Congress of the International-Society-for-Theoretical-Chemical-Physics (ICTCP 4)<br>Sep 15 2004 \| INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY 99 (5) , pp.634-639 | 0 | 0 | 0 | 0 | 0 | 0.2 | 4 |
| 138 | Amphiphilic block copolymer micelles with hydrophobically modified shells<br>Jelinek, K; Uhlik, F; (...); Hof, M<br>Yangtze Conference on Fluids and Interfaces<br>Oct-nov 2003 \| MOLECULAR SIMULATION 29 (10-11) , pp.655-660 | 0 | 0 | 1 | 0 | 0 | 0.19 | 4 |
| | Non-central location of LiInLi@C-60 | | | | | | | |

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|---|---|---|---|---|---|---|---|
| 139 | Slanina, Z; Uhlik, F and Chow, TJ<br>International Symposium on Fullerenes, Nanotubes and Carbon Nanoclusters held at the Annual Spring Meeting of the Electrochemical-Society<br>2003 \| FULLERENES AND NANOTUBES: THE BUILDING BLOCKS OF NEXT GENERATION NANODEVICES<br>2003 (15) , pp.569-574 | 0 | 0 | 0 | 0 | 0 | 0.19 | 4 |
| 140 | Clustering, saturated vapors, and the atmosphere: The (H2O)(n), H2O-N-2, and H2O-O-2 cases<br>Slanina, Z and Uhlik, F<br>NATO Advanced Research Workshop on Weakly Interacting Molecular Pairs - Unconventional Absorbers of Radiation in the Atmospher<br>2003 \|<br>WEAKLY INTERACTING MOLECULAR PAIRS: UNCONVENTIONAL ABSORBERS OF RADIATION IN THE ATMOSPHERE<br>27 , pp.101-110 | 0 | 1 | 0 | 0 | 0 | 0.19 | 4 |
| 141 | Geometrical and thermodynamic approaches to the relative stabilities of fullerene isomers (vol 44, pg 335, 2001)<br>Slanina, Z; Uhlik, F; (...); Osawa, E<br>Mar 2002 \| MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY (45) , pp.173-173 | 0 | 1 | 0 | 0 | 0 | 0.18 | 4 |
| 142 | Metal-coated fullerenes C(60)M(n): Calculations for M = Be, Mg, Al and n=12, 20, 32<br>Slanina, Z; Miyajima, C; (...); Osawa, E<br>2000 \| FULLERENE SCIENCE AND TECHNOLOGY 8 (4-5) , pp.385-402 | 0 | 0 | 0 | 0 | 0 | 0.17 | 4 |
| 143 | Thermodynamic properties of N@C-60<br>Uhlik, F; Slanina, Z and Osawa, E<br>14th International Winter School on Electronic Properties on Novel Materials<br>2000 \| ELECTRONIC PROPERTIES OF NOVEL MATERIALS-MOLECULAR NANOSTRUCTURES 544 , pp.183-186 | 0 | 0 | 0 | 0 | 0 | 0.17 | 4 |
| 144 | C60O and C60O2: Thermodynamics vs kinetics of formation<br>Slanina, Z; Lee, SL; (...); Adamovic, L<br>3rd Symposium of the Fullerenes-Group of the Electrochemical-Society on Fullerenes - Chemistry, Physics, and New Directions VIII<br>1996 \|<br>PROCEEDINGS OF THE SYMPOSIUM ON RECENT ADVANCES IN THE CHEMISTRY AND PHYSICS OF FULLERENES AND RELATED MATERIALS, VOL 3<br>96 (10) , pp.911-918 | 0 | 0 | 0 | 0 | 0 | 0.14 | 4 |
| 145 | AM1 COMPUTATIONS OF C60O2<br>SLANINA, Z; UHLIK, F; (...); ADAMOWICZ, L<br>1994 \| FULLERENE SCIENCE AND TECHNOLOGY 2 (1) , pp.73-88 | 0 | 0 | 0 | 0 | 0 | 0.13 | 4 |
| 146 | COMPUTATIONAL STUDIES OF ATMOSPHERIC CHEMISTRY SPECIES .9. COMPUTED GAS-PHASE THERMODYNAMICS OF N2 ASSOCIATION<br>UHLIK, F; SLANINA, Z and HINCHLIFFE, A<br>Aug 28 1993 \| THERMOCHIMICA ACTA 223 , pp.1-6 | 0 | 0 | 0 | 0 | 0 | 0.13 | 4 |
| 147 | A REFINED EVALUATION OF THE GAS-PHASE DIMERIZATION THERMODYNAMICS OF THE CLO RADICAL<br>SLANINA, Z and UHLIK, F<br>Mar 1992 \| INTERNATIONAL JOURNAL OF THERMOPHYSICS 13 (2) , pp.303-313 | 0 | 0 | 0 | 0 | 0 | 0.13 | 4 |
| 148 | Calculated Relative Thermodynamic Stabilities of the Gd@C-82 Isomers<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Jul 1 2021 \| ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY 10 (7) | 0 | 0 | 0 | 3 | 0 | 1 | 3 |

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|---|---|---|---|---|---|---|---|---|
| 149 | Calculated relative populations for the Eu@C-84 isomers<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>2021 \| Sep 2020 (Early Access) \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 29 (2), pp.144-148<br>Enriched Cited References | 0 | 0 | 1 | 2 | 0 | 0.75 | 3 |
| 150 | Rotameric Isomers of La-2@C-80& Dodecafluoro-Subphthalocyanine Conjugate: Computational Characterization<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Jan 8 2020 \| ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY 9 (6) | 0 | 0 | 0 | 3 | 0 | 0.75 | 3 |

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| | | 2019 | 2020 | 2021 | 2022 | 2023 | | |
| 151 | Intramolecular micellization and nanopatterning in pH- and thermo-responsive molecular brushes<br>Prokacheva, VM; Rud, OV; (...); Borisov, OV<br>Jan 7 2020 \| SOFT MATTER 16 (1) , pp.208-218 | 0 | 1 | 0 | 2 | 0 | 0.75 | 3 |
| 152 | Computations on Metallofullerenes Derivatized during Extraction: La@ C-80-C6H3Cl2 and La@C-82-C6H3Cl2<br>Slanina, Z; Uhlik, F; (...); Akasaka, T<br>Jan 1 2014 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 22 (1-3) , pp.173-181 | 1 | 0 | 0 | 0 | 0 | 0.3 | 3 |
| 153 | Computations on Encapsulations of Lanthanides into C-74<br>Slanina, Z; Uhlik, F and Nagase, S<br>Nanotech 2009 Conference<br>2009 \| NANOTECH CONFERENCE & EXPO 2009, VOL 3, TECHNICAL PROCEEDINGS , pp.312-+ | 0 | 1 | 0 | 1 | 0 | 0.2 | 3 |
| 154 | Computational treatment of alkaline earth encapsulations in C-74: Relative thermodynamic production abundances<br>Uhlik, F; Slanina, Z and Nagase, S<br>8th Biennial International Workshop on Fullerenes and Atomic Clusters (IWFAC 2007)<br>2008 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 16 (5-6) , pp.507-516 | 0 | 0 | 1 | 0 | 0 | 0.19 | 3 |
| 155 | Relative stabilities of C-74 isomers<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>May-jun 2007 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 15 (3) , pp.195-205 | 0 | 0 | 0 | 0 | 0 | 0.18 | 3 |
| 156 | Copolymer micelles with polyelectrolyte shell in aqueous media. A mean-field study<br>Jelinek, K; Uhlik, F; (...); Prochazka, K<br>2006 \| COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 71 (5) , pp.756-768 | 0 | 0 | 0 | 0 | 0 | 0.17 | 3 |
| 157 | A computational study of entropy rules for charged fullerenes<br>Slanina, Z; Uhlik, F and Boltalina, OV<br>5th International Workshop on Fullerene and Atomic Clusters<br>2002 \| PHYSICS OF THE SOLID STATE 44 (3) , pp.548-550 | 0 | 0 | 0 | 0 | 0 | 0.14 | 3 |
| 158 | Computations of low-energy non-icosahedral structures of C-60(6-)<br>Slanina, Z; Uhlik, F; (...); Osawa, E<br>2000 \| FULLERENE SCIENCE AND TECHNOLOGY 8 (4-5) , pp.403-415 | 0 | 0 | 0 | 0 | 0 | 0.13 | 3 |
| | B3LYP/G-31G*//SAM1 calculations of C-36 fullerene and quasi-fullerene cages | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 159 | Slanina, Z; Uhlik, F; (...); Osawa, E<br>2000 \| FULLERENE SCIENCE AND TECHNOLOGY 8 (4-5) , pp.433-447 | 0 | 0 | 0 | 0 | 0 | 0.13 | 3 |
| 160 | COMPUTATIONAL STUDIES ATMOSPHERIC CHEMISTRY .19. A COMPUTATIONAL EVALUATION OF THE OZONE DIMER ALTITUDE PROFILE<br>UHLIK, F; SLANINA, Z and HINCHLIFFE, A<br>Jan 24 1994 \| THERMOCHIMICA ACTA 232 (1) , pp.1-6 | 0 | 0 | 1 | 0 | 0 | 0.1 | 3 |
| 161 | MULTIMOLECULAR CLUSTERS AND THEIR ISOMERISM .69. A COMPUTATIONAL EVALUATION OF RELATIVE STABILITIES OF THE OPEN C2V AND CYCLIC D3H FORMS OF OZONE<br>SLANINA, Z and UHLIK, F<br>Feb 24 1992 \| THERMOCHIMICA ACTA 196 (2) , pp.459-465 | 0 | 0 | 0 | 0 | 0 | 0.09 | 3 |
| 162 | Polyelectrolyte Hydrogels as Draw Agents for Desalination of Solutions with Multivalent Ions<br>Rud, OV; Kazakov, AD; (...); Uhlik, F<br>Mar 8 2022 \| MACROMOLECULES 55 (5) , pp.1763-1770<br>Enriched Cited References | 0 | 0 | 0 | 2 | 0 | 1 | 2 |
| 163 | Phase transition in hydrophobic weak polyelectrolyte gel utilized for water desalination<br>Prokacheva, VM; Rud, OV; (...); Borisov, OV<br>Sep 1 2021 \| Apr 2021 (Early Access) \| DESALINATION 511 | 0 | 0 | 0 | 2 | 0 | 0.67 | 2 |
| 164 | Computer modeling of polymer stars in variable solvent conditions: a comparison of MD simulations, self-consistent field (SCF) modeling and novel hybrid Monte Carlo SCF approach<br>Kazakov, AD; Prokacheva, VM; (...); Leermakers, FAM<br>Jan 21 2021 \| SOFT MATTER 17 (3) , pp.580-591<br>Enriched Cited References | 0 | 0 | 0 | 2 | 0 | 0.67 | 2 |
| 165 | Calculations of the Lu3N@C-80 two-isomer equilibrium<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>May 4 2019 \| Mar 2019 (Early Access) \|<br>FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 27 (5) , pp.382-386<br>Enriched Cited References | 0 | 0 | 1 | 1 | 0 | 0.4 | 2 |
| 166 | Cyclic water-trimer encapsulation into D-2(22)-C-84 fullerene<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Mar 2018 \| CHEMICAL PHYSICS LETTERS 695 , pp.245-248 | 0 | 0 | 1 | 1 | 0 | 0.33 | 2 |
| 167 | Vibrational spectroscopic and crystallographic study of the novel guanylurea salts with sulphuric and selenic acids<br>Matulkova, I; Fridrichova, M; (...); Nemec, I<br>Mar 5 2017 \| JOURNAL OF MOLECULAR STRUCTURE 1131 , pp.294-305 | 0 | 0 | 0 | 1 | 0 | 0.29 | 2 |
| 168 | Calculations on endohedral C-74 complexes<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>Apr-may 2007 \| JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 7 (4-5) , pp.1339-1345 | 0 | 0 | 0 | 0 | 0 | 0.12 | 2 |

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|---|---|---|---|---|---|---|---|---|
| 169 | Two isomers of C60F48: Computed inter-isomeric equilibrium<br>Slanina, Z; Uhlik, F and Adamowicz, L<br>2003 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 11 (3) , pp.219-226 | 0 | 0 | 0 | 0 | 0 | 0.1 | 2 |
| 170 | A model study of narrow nanotubes related to C-36, C-32, C-20, and C-16: Semiempirical and nonempirical treatments<br>Slanina, Z and Uhlik, F<br>2002 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 10 (3) , pp.207-215 | 0 | 0 | 0 | 0 | 0 | 0.09 | 2 |
| 171 | Structure of hexa-sulfobutyl fullerenes: A computational study<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>2002 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 10 (4) , pp.363-372 | 0 | 0 | 0 | 1 | 0 | 0.09 | 2 |
| 172 | C(60)(NO(2))(2), C(60)(NO(2))(4), and C(60)(NO(2))(6): Computed energetics and structures<br>Slanina, Z; Zhao, X; (...); Osawa, E<br>12th International Symposium on Recent Advances in the Chemistry and Physics of Fullerenes and Related Materials at the 195th Meeting of the Electrochemical-Society<br>1999 \|<br>RECENT ADVANCES IN THE CHEMISTRY AND PHYSICS OF FULLERENES AND RELATED MATERIAL, VOL 7<br>99 (12) , pp.734-744 | 0 | 0 | 0 | 1 | 0 | 0.08 | 2 |
| 173 | AM1 COMPUTED VIBRATIONS IN 2 C60O STRUCTURES<br>SLANINA, Z; UHLIK, F; (...); ADAMOWICZ, L<br>1993 \| SPECTROSCOPY LETTERS 26 (9) , pp.1785-1796 | 0 | 0 | 0 | 0 | 0 | 0.06 | 2 |
| 174 | A COMPUTATIONAL EVALUATION OF THE GAS-PHASE CLO DIMERIZATION THERMODYNAMICS<br>SLANINA, Z and UHLIK, F<br>Sep 1991 \| GEOPHYSICAL RESEARCH LETTERS 18 (9) , pp.1703-1706 | 0 | 0 | 0 | 0 | 0 | 0.06 | 2 |
| 175 | Ho@C-82 Metallofullerene: Calculated Isomeric Composition<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>May 1 2022 \| ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY 11 (5)<br>Enriched Cited References | 0 | 0 | 0 | 1 | 0 | 0.5 | 1 |
| 176 | Ho2C2 Cluster with Flexible Configurations inside a Large C-2(61)-C-92 Cage<br>Dong, B; Yu, YL; (...); Feng, L<br>Jan 10 2022 \| Dec 2021 (Early Access) \| INORGANIC CHEMISTRY 61 (1) , pp.605-612<br>Enriched Cited References | 0 | 0 | 0 | 1 | 0 | 0.33 | 1 |
| 177 | A computational characterization of H2O2@C-60<br>Slanina, Z; Uhlik, F; (...); Lu, X<br>Feb 1 2022 \| May 2021 (Early Access) \|<br>FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 30 (2) , pp.258-262<br>Enriched Cited References | 0 | 0 | 0 | 1 | 0 | 0.33 | 1 |
| | Quantum-Chemical Calculations of the Metallofullerene Yields in the X@ C-74, L@C-74, and Z@C-82 Series | | | | | | | |

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|---|---|---|---|---|---|---|---|
| 178 | Uhlik, F; Slanina, Z and Nagase, S<br>International Conference of Computational Methods in Sciences and Engineering (ICCMSE)<br>2015 \|<br>PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING 2010 (ICCMSE-2010)<br>1642 , pp.269-272 | 1 | 0 | 0 | 0 | 0 | 0.11 | 1 |
| 179 | Predicting stabilities of endohedral metallofullerenes Yb@C-84<br>Uhlik, F; Slanina, Z; (...); Nagase, S<br>Dec 2013 \| PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS 250 (12) , pp.2709-2712 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1 |
| 180 | Alkali-metal clusters encapsulated into fullerenes: Computations on Li-x@ C-60<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>2007 \| JOURNAL OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING 7 (5-6) , pp.541-547 | 0 | 0 | 0 | 0 | 0 | 0.06 | 1 |
| 181 | Computations of the energetics of C60F36 isomers<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>2006 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 14 (1) , pp.57-65 | 0 | 0 | 0 | 0 | 0 | 0.06 | 1 |
| 182 | C(94)IPR isomeric set: Large-scale computations of relative stabilities<br>Slanina, Z; Zhao, X; (...); Osawa, E<br>International Symposium on Fullerenes, Nanotubes, and Carbon Nanoclusters held at the 199th Meeting of the Electrochemical-Society<br>2001 \| FULLERENES FOR THE NEW MILLENNIUM 2000 (11) , pp.485-497 | 0 | 0 | 0 | 0 | 0 | 0.04 | 1 |
| 183 | Computations of model extremely narrow nanotubes related to C-36, C-32, C-20, and C-16<br>Uhlik, F and Slanina, Z<br>15th International Winter School on Electronic Properties on Novel Materials<br>2001 \| ELECTRONIC PROPERTIES OF MOLECULAR NANOSTRUCTURES 591 , pp.458-461 | 0 | 0 | 0 | 0 | 0 | 0.04 | 1 |
| 184 | Free and hindered translation of He inside C-60<br>Slanina, Z; Uhlik, F and Osawa, E<br>12th International Symposium on Recent Advances in the Chemistry and Physics of Fullerenes and Related Materials at the 195th Meeting of the Electrochemical-Society<br>1999 \|<br>RECENT ADVANCES IN THE CHEMISTRY AND PHYSICS OF FULLERENES AND RELATED MATERIAL, VOL 7<br>99 (12) , pp.816-821 | 0 | 0 | 0 | 0 | 0 | 0.04 | 1 |
| 185 | An analytical solution of isotopomeric enumerations for C-2v cyclic odd-numbered carbon clusters C-n<br>Slanina, Z; Uhlik, F and Adamowicz, L<br>May 1997 \| JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 219 (1) , pp.69-71 | 0 | 0 | 0 | 0 | 0 | 0.04 | 1 |
| 186 | C61H2 FULLEROID - AM1 COMPUTATIONAL STUDY<br>SLANINA, Z; UHLIK, F; (...); ADAMOWICZ, L<br>1994 \| FULLERENE SCIENCE AND TECHNOLOGY 2 (1) , pp.13-24 | 0 | 0 | 0 | 0 | 0 | 0.03 | 1 |
| 187 | COMPUTATIONAL STUDIES OF ATMOSPHERIC CHEMISTRY SPECIES .4. ON THE THERMODYNAMICS OF THE CLOO AND OCLO RADICALS<br>SLANINA, Z and UHLIK, F<br>Mar 22 1993 \| THERMOCHIMICA ACTA 216 , pp.81-85 | 0 | 0 | 0 | 0 | 0 | 0.03 | 1 |
| 188 | MULTIMOLECULAR CLUSTERS AND THEIR ISOMERISM .63. ISOMERIC INTERPLAY IN THE TRIMERIC SYSTEMS 2HF-HCN AND HF-2HCN | | | | | | | |

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|---|---|---|---|---|---|---|---|---|
| | 188 | SLANINA, Z; UHLIK, F; (...); HINCHLIFFE, A<br>Dec 6 1991 \| JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 83 , pp.49-55 | 0 | 0 | 0 | 0 | 0 | 0.03 | 1 |
| ⊖ | 189 | Hairy Gels: A Computational Study<br>Uhlik, F; Rud, OV; (...); Zhulina, EB<br>Dec 2022 \| GELS 8 (12)<br>Enriched Cited References | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⊖ | 190 | A Computational Characterization of 2,2 '-bis(trifluoromethyl)-[1,1 '-biphenyl]-4,4 '-diamine Iodine Dopant for Improving Power-Conversion Efficiency of Perovskite Solar Cells<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Nov 1 2022 \| ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY 11 (11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⊖ | 191 | Eu@C-88 Isomers: Calculated Relative Populations<br>Uhlik, F; Slanina, Z; (...); Adamowicz, L<br>Oct 1 2022 \| ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY 11 (10)<br>Enriched Cited References | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⊖ | 192 | Salt Counterion Valency Controls the Ionization and Morphology of Weak Polyelectrolyte Miktoarm Stars<br>Nova, L and Uhlik, F<br>Jul 26 2022 \| Jul 2022 (Early Access) \| MACROMOLECULES 55 (14) , pp.6247-6259 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⊖ | 193 | C-60(OH)(32) fullerenols: calculated temperature-sensitive isomeric interplay<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>Dec 2 2022 \| May 2022 (Early Access) \|<br>FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 30 (12) , pp.1193-1198<br>Enriched Cited References | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⊖ | 194 | Relative Production Yields in Homologous Metallofullerene Series: Computations for X@C-74 and Z@C-82 Endohedrals<br>Uhlik, F; Slanina, Z; (...); Nagase, S<br>7th International Conference on Computational Methods in Science and Engineering (ICCMSE)<br>2012 \|<br>INTERNATIONAL CONFERENCE OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING 2009 (ICCMSE 2009)<br>1504 , pp.1162-1165 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⊖ | 195 | Monte Carlo simulation of fluorescence correlation spectroscopy data for large and rigid fluorescenty labeled particles undergoing both the translational and rotational diffusion<br>Prochazka, K; Uhlik, F; (...); Limpouchova, Z<br>242nd National Meeting of the American-Chemical-Society (ACS)<br>Aug 28 2011 \| ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY 242 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⊖ | 196 | Calculated Production Yields in Metallofullerene Series<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>NSTI Nanotechnology Conference and Expo<br>2011 \|<br>NANOTECHNOLOGY 2011: ELECTRONICS, DEVICES, FABRICATION, MEMS, FLUIDICS AND COMPUTATIONAL, NSTI-NANOTECH 2011, VOL 2<br>, pp.639-642 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Structural and bonding features of Z@C-82 (Z = Al, Sc, Y, La) endohedrals | | | | | | | |

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|---|---|---|---|---|---|---|---|
| 197 | Slanina, Z; Uhlik, F; (...); Nagase, S<br>2010 \| JOURNAL OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING 10 (3-6) , pp.569-574 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 | CONCENTRATION PROFILES IN HETEROEPITAXIAL NANOISLANDS<br>Digiuni, D; Gatti, R; (...); Montalenti, F<br>International Conference on Physics, Chemistry and Application of Nanostructures<br>2009 \| PHYSICS, CHEMISTRY AND APPLICATION OF NANOSTRUCTURES , pp.3-+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 | Computer study of stimuli-responsive polyelectrolyte micelles in aqueous media. Comparison of Monte Carlo and self-consistent field approaches<br>Jelinek, K; Uhlik, F; (...); Prochazka, K<br>12th IUPAC International Symposium on Macromolecule-Metal Complexes<br>2008 \| MACROMOLECULAR SYMPOSIA 270 , pp.65-73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 | The use of Monte Carlo simulations for the interpretation of light scattering and fluorescence data on self-assembling polymer systems in solutions<br>Matejicek, P; Uhlik, F; (...); Prochazka, K<br>2008 \| COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 73 (3) , pp.293-313 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| | | < Previous year | | | | Next year > | Average per year | Total |
| | | 2019 | 2020 | 2021 | 2022 | 2023 | | |
| 201 | Computations on Li-x@C-60<br>Slanina, Z; Uhlik, F and Nagase, S<br>Nanotechnology Conference and Trade Show (Nanotech 2008)<br>2008 \| NSTI NANOTECH 2008, VOL 3, TECHNICAL PROCEEDINGS , pp.689-+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 | Gibbs energy treatment of a set of C80F36 isomers<br>Slanina, Z; Uhlik, F and Adamowicz, L<br>International Symposium on Fullerenes, Nanotubes and Carbon Nanoclusters held at the Annual Spring Meeting of the Electrochemical-Society<br>2003 \| FULLERENES AND NANOTUBES: THE BUILDING BLOCKS OF NEXT GENERATION NANODEVICES 2003 (15) , pp.480-488 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 203 | Structure of hexa-sulfobutyl fullerenes: A computational study (vol 10, pg 363, 2002)<br>Slanina, Z; Uhlik, F; (...); Adamowicz, L<br>2003 \| FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 11 (2) , pp.187-187 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 | Excited electronic states and production optimizations for promising nano-agents<br>Slanina, Z; Uhlik, F; (...); Nagase, S<br>Nanotechnology Conference and Trade Show (Nanotech 2003)<br>2003 \| NANOTECH 2003, VOL 3 , pp.504-507 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205 | Model narrow nanotubes related to C-36, C-32 and C-20: Computational insight<br>Slanina, Z and Uhlik, F<br>Symposium on Making Functional Materials with Nanotubes held at the 2001 MRS Fall Meeting<br>2002 \| MAKING FUNCTIONAL MATERIALS WITH NANOTUBES 706 , pp.271-276 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 206 | Computations of nanotubes as agents for molecular electronics: Narrow nanotubes related to C-36, C-32, C-20, and C-16<br>Slanina, Z and Uhlik, F<br>2nd International Conference on Computational Nanoscience and Nanotechnology<br>2002 \|<br>ICCN 2002: INTERNATIONAL CONFERENCE ON COMPUTATIONAL NANOSCIENCE AND NANOTECHNOLOGY<br>, pp.470-473 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 | Calculations of molar fractions of the IPR C-78 fullerenes<br>Uhlik, F and Slanina, Z<br>16th International Winterschool on Electronic Properties of Novel Materials<br>2002 \| STRUCTURAL AND ELECTRONIC PROPERTIES OF MOLECULAR NANOSTRUCTURES 633 , pp.409-412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 | Mg@C(72) endohedrals: MNDO/d computations of the isomeric composition<br>Slanina, Z; Zhao, X; (...); Adamowicz, L<br>International Symposium on Fullerenes, Nanotubes, and Carbon Nanoclusters held at the 199th Meeting of the Electrochemical-Society<br>2001 \| FULLERENES FOR THE NEW MILLENNIUM 2000 (11) , pp.332-340 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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|---|---|---|---|---|---|---|---|---|
| 209 | Narrow nanotubes related to C-36, C-32, C-20, and C-16: Quantum-chemical semi-empirical and non-empirical model computations<br>Slanina, Z and Uhlik, F<br>International Symposium on Fullerenes, Nanotubes, and Carbon Nanoclusters held at the 199th Meeting of the Electrochemical-Society<br>2001 \| FULLERENES FOR THE NEW MILLENNIUM 2000 (11) , pp.371-380 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 | Topological, geometrical, and thermodynamic evaluations of fullerene isomers<br>Slanina, Z; Miyajima, C; (...); Osawa, E<br>International Symposium on Fullerenes, Nanotubes, and Carbon Nanoclusters held at the 199th Meeting of the Electrochemical-Society<br>2001 \| FULLERENES FOR THE NEW MILLENNIUM 2000 (11) , pp.462-+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 | Quantum-chemical computations of Delta H(f,298)(o) for selected C(60)F(30)(g) isomers<br>Slanina, Z; Uhlik, F; (...); Kolesov, VP<br>International Symposium on Fullerenes, Nanotubes, and Carbon Nanoclusters held at the 199th Meeting of the Electrochemical-Society<br>2001 \| FULLERENES FOR THE NEW MILLENNIUM 2000 (11) , pp.498-506 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 212 | Computations of hexa-sulfobutyl fullerenes: Energetics, structures, & vibrations<br>Slanina, Z; Uhlik, F; (...); Osawa, E<br>International Symposium on Fullerenes, Nanotubes, and Carbon Nanoclusters held at the 199th Meeting of the Electrochemical-Society<br>2001 \| FULLERENES FOR THE NEW MILLENNIUM 2000 (11) , pp.507-517 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 213 | Computations on C(84)O: Thermochemical and photochemical aspects<br>Slanina, Z; Uhlik, F; (...); Osawa, E<br>International Symposium on Fullerenes, Nanotubes, and Carbon Nanoclusters held at the 199th Meeting of the Electrochemical-Society<br>2001 \| FULLERENES FOR THE NEW MILLENNIUM 2000 (11) , pp.518-529 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 214 | Computations of metal-covered fullerenes - C60Ben<br>Slanina, Z; Uhlik, F; (...); Osawa, E<br>4th Symposium of the Fullerenes-Group of the Electrochemical-Society, at the 191st Meeting of the Electrochemical-Society - Fullerenes: Chemistry, Physics, and New Directions IX<br>1997 \|<br>PROCEEDINGS OF THE SYMPOSIUM ON RECENT ADVANCES IN THE CHEMISTRY AND PHYSICS OF FULLERENES AND RELATED MATERIALS, VOL 4<br>97 (14) , pp.712-720 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 215 | COMPUTATIONAL STUDIES OF ATMOSPHERIC CHEMISTRY SPECIES .8. A COMPUTATIONAL STUDY OF THE CL00 AND OCL0 RADICALS<br>SLANINA, Z; UHLIK, F and PONEC, R<br>Jul-aug 1993 \| JOURNAL DE CHIMIE PHYSIQUE ET DE PHYSICO-CHIMIE BIOLOGIQUE 90 (7-8) , pp.1459-1466 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 216 | A CLASSIFICATION OF 200 ISOMERIZATIONS AMONG 51 ISOTOPOMERS OF C-8 (D2D)<br>SLANINA, Z; UHLIK, F and ADAMOWICZ, L<br>May 1993 \| JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES 170 (2) , pp.373-380 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 217 | CLASSIFICATION OF 486 ISOMERIZATIONS AMONG 72 C-12/C-13 ISOTOPOMERS OF CYCLIC C-7<br>SLANINA, Z; UHLIK, F and ADAMOWICZ, L<br>Apr 1993 \| JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES 170 (1) , pp.107-116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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|---|---|---|---|---|---|---|---|---|
| 218 | DIGALLANE (4) GA2H4 AS THE IDEAL-GAS PHASE-EQUILIBRIUM MIXTURE OF ITS 6 ISOMERS<br>SLANINA, Z and UHLIK, F<br>Nov 22 1991 \| THERMOCHIMICA ACTA 191 (1) , pp.47-55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 | LINEAR VERSUS CYCLIC (HCN)3 - A COMPUTATIONAL THERMODYNAMIC STUDY<br>SLANINA, Z and UHLIK, F<br>Oct 8 1991 \| THERMOCHIMICA ACTA 188 (2) , pp.273-278 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Citation Report Publications Table