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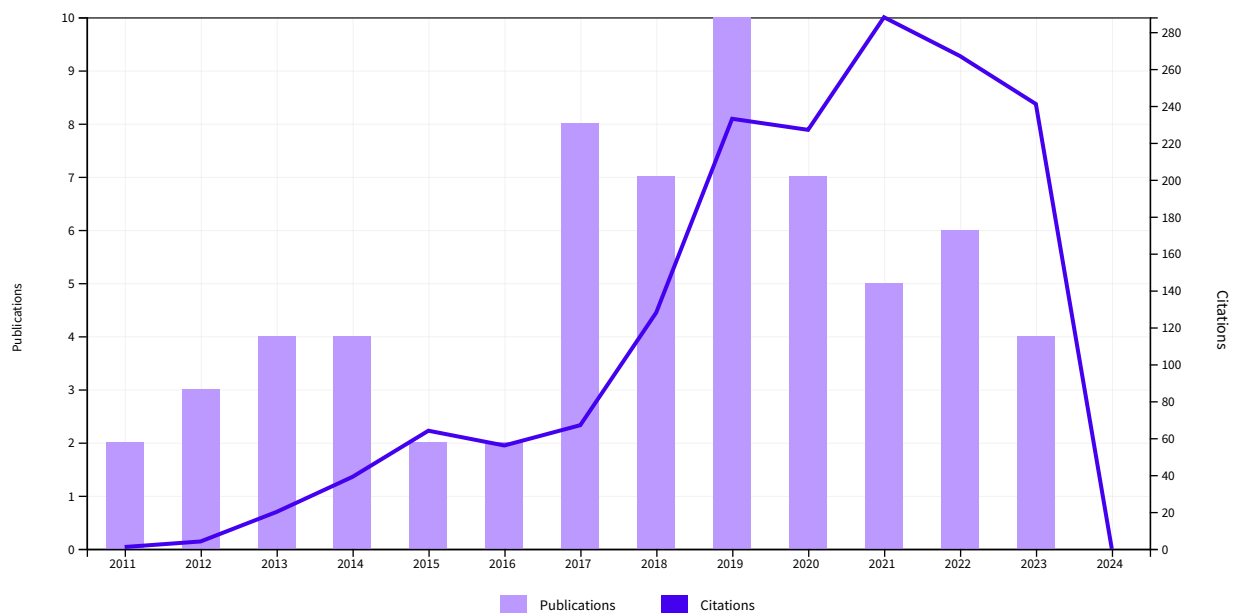
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|                                                                                                                                                                                                 |  | ◀ Previous year      Next year ▶ |      |      |      |      | Average per year | Total |
|                                                                                                                                                                                                 |  | 2020                             | 2021 | 2022 | 2023 | 2024 |                  |       |
| Total                                                                                                                                                                                           |  | 227                              | 288  | 267  | 241  | 0    | 116.79           | 1,635 |
| Poly(2-Oxazoline)s - Are They More Advantageous for Biomedical Applications Than Other Polymers?<br><a href="#">Sedlacek, Q</a> ; <a href="#">Monnery, BD</a> ; (...); <a href="#">Hruby, M</a> |  | 24                               | 30   | 16   | 14   | 0    | 19.23            | 250   |

|   |                                                                                                                                                                                                                                                                                                                                                                                                      |    |    |    |    |   |      |     |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|---|------|-----|
|   | Oct 15 2012   <a href="#">MACROMOLECULAR RAPID COMMUNICATIONS</a> 33 (19) , pp.1648-1662                                                                                                                                                                                                                                                                                                             |    |    |    |    |   |      |     |
| 2 | <p>Therapeutic targeting of non-coding RNAs in cancer</p> <p><a href="#">Slaby, O; Laga, R and Sedlacek, O</a></p> <p>Dec 15 2017   <a href="#">BIOCHEMICAL JOURNAL</a> 474 , pp.4219-4251</p>                                                                                                                                                                                                       | 36 | 24 | 34 | 19 | 0 | 25   | 200 |
| 3 | <p>Poly(2-ethyl-2-oxazoline) conjugates with doxorubicin for cancer therapy: <i>In vitro</i> and <i>in vivo</i> evaluation and direct comparison to poly [<i>N</i>-(2-hydroxypropyl)methacrylamide] analogues</p> <p><a href="#">Sedlacek, O; Monnery, BD; (...); Hruby, M</a></p> <p>Nov 2017   <a href="#">BIOMATERIALS</a> 146 , pp.1-12</p>                                                      | 16 | 11 | 7  | 8  | 0 | 9.5  | 76  |
| 4 | <p>Drug Delivery Systems Based on Poly(2-Oxazoline)s and Poly(2-Oxazine)s</p> <p><a href="#">Sedlacek, O and Hoogenboom, R</a></p> <p>Jan 2020   Dec 2019 (Early Access)   <a href="#">ADVANCED THERAPEUTICS</a> 3 (1)</p>                                                                                                                                                                           | 13 | 22 | 18 | 16 | 0 | 11.5 | 69  |
| 5 | <p>Defined High Molar Mass Poly(2-Oxazoline)s</p> <p><a href="#">Monnery, BD; Jerca, VV; (...); Hoogenboom, R</a></p> <p>Nov 19 2018   <a href="#">ANGEWANDTE CHEMIE-INTERNATIONAL EDITION</a> 57 (47) , pp.15400-15404</p>                                                                                                                                                                          | 14 | 13 | 11 | 9  | 0 | 9.14 | 64  |
| 6 | <p>A simple neridronate-based surface coating strategy for upconversion nanoparticles: highly colloidally stable <sup>125</sup>I-radiolabeled NaYF<sub>4</sub>:Yb<sup>3+</sup>/Er<sup>3+</sup>@PEG nanoparticles for multimodal <i>in vivo</i> tissue imaging</p> <p><a href="#">Kostiv, U; Lobaz, V; (...); Horák, D</a></p> <p>Nov 21 2017   <a href="#">NANOSCALE</a> 9 (43) , pp.16680-16688</p> | 10 | 15 | 10 | 7  | 0 | 7    | 56  |
| 7 | <p>Self-Assembled Thermoresponsive Polymeric Nanogels for <sup>19</sup>F MR Imaging</p> <p><a href="#">Kolouchova, K; Sedlacek, O; (...); Hruby, M</a></p> <p>Aug 2018   <a href="#">BIOMACROMOLECULES</a> 19 (8) , pp.3515-3524</p>                                                                                                                                                                 | 8  | 15 | 9  | 4  | 0 | 6.57 | 46  |
| 8 | <p>Reductively Degradable Poly(2-hydroxyethyl methacrylate) Hydrogels with Oriented Porosity for Tissue Engineering Applications</p> <p><a href="#">Macková, H; Plichta, Z; (...); Kubinová, S</a></p> <p>Mar 29 2017   <a href="#">ACS APPLIED MATERIALS &amp; INTERFACES</a> 9 (12) , pp.10544-10553</p>                                                                                           | 8  | 6  | 10 | 6  | 0 | 5.5  | 44  |
| 9 | <p>Thermoresponsive Polymers for Nuclear Medicine: Which Polymer Is the Best?</p> <p><a href="#">Sedláček, O; Cernoch, P; (...); Hruby, M</a></p> <p>Jun 21 2016   <a href="#">LANGMUIR</a> 32 (24) , pp.6115-6122</p>                                                                                                                                                                               | 5  | 6  | 3  | 1  | 0 | 4.33 | 39  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                      | 3  | 3  | 1  | 2  | 0 | 3    | 29  |

|      |                                                                                                                                                                                                                                                                                                                                                                                   |   |    |   |   |   |      |    |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|---|---|---|------|----|
| ⊖ 10 | <p>Polymer conjugates of acridine-type anticancer drugs with pH-controlled activation</p> <p><a href="#">Sedláček, O</a>; <a href="#">Hruby, M</a>; (...); <a href="#">Ulbrich, K</a></p> <p>Jul 1 2012   <a href="#">BIOORGANIC &amp; MEDICINAL CHEMISTRY</a> 20 (13) , pp.4056-4063</p>                                                                                         |   |    |   |   |   |      |    |
| ⊖ 11 | <p>Visualization and design of the functional group distribution during statistical copolymerization</p> <p><a href="#">Van Steenberge, PHM</a>; <a href="#">Sedláček, O</a>; (...); <a href="#">D'hooge, DR</a></p> <p>Aug 13 2019   <a href="#">NATURE COMMUNICATIONS</a> 10</p>                                                                                                | 7 | 12 | 7 | 7 | 0 | 6    | 36 |
| ⊖ 12 | <p>Radiolabelled Polymeric Materials for Imaging and Treatment of Cancer: Quo Vadis?</p> <p><a href="#">Pant, K</a>; <a href="#">Sedláček, O</a>; (...); <a href="#">Stephan, H</a></p> <p>Mar 22 2017   <a href="#">ADVANCED HEALTHCARE MATERIALS</a> 6 (6)</p>                                                                                                                  | 7 | 5  | 6 | 4 | 0 | 4.5  | 36 |
| ⊖ 13 | <p>Unexpected Reactivity Switch in the Statistical Copolymerization of 2-Oxazolines and 2-Oxazines Enabling the One-Step Synthesis of Amphiphilic Gradient Copolymers</p> <p><a href="#">Sedláček, O</a>; <a href="#">Lava, K</a>; (...); <a href="#">Hoogenboom, R</a></p> <p>Jun 19 2019   <a href="#">JOURNAL OF THE AMERICAN CHEMICAL SOCIETY</a> 141 (24) , pp.9617-9622</p> | 3 | 5  | 8 | 9 | 0 | 5.33 | 32 |
| ⊖ 14 | <p>Straightforward Route to Superhydrophilic Poly(2-oxazoline)s via Acylation of Well-Defined Polyethylenimine</p> <p><a href="#">Sedláček, O</a>; <a href="#">Janouskova, O</a>; (...); <a href="#">Hoogenboom, R</a></p> <p>Jan 2019   <a href="#">BIOMACROMOLECULES</a> 20 (1) , pp.222-230</p>                                                                                | 5 | 5  | 8 | 8 | 0 | 5.33 | 32 |
| ⊖ 15 | <p>Conformational properties of biocompatible poly(2-ethyl-2-oxazoline)s in phosphate buffered saline</p> <p><a href="#">Gubarev, AS</a>; <a href="#">Monnery, BD</a>; (...); <a href="#">Filippov, SK</a></p> <p>May 7 2018   <a href="#">POLYMER CHEMISTRY</a> 9 (17) , pp.2232-2237</p>                                                                                        | 7 | 6  | 4 | 4 | 0 | 4.14 | 29 |
| ⊖ 16 | <p>Poly(2-oxazoline)-protein conjugates</p> <p><a href="#">Sedláček, O</a>; <a href="#">de la Rosa, VR</a> and <a href="#">Hoogenboom, R</a></p> <p>Nov 2019   <a href="#">EUROPEAN POLYMER JOURNAL</a> 120</p>                                                                                                                                                                   | 4 | 11 | 5 | 6 | 0 | 4.5  | 27 |
| ⊖ 17 | <p>Synthesis of defined high molar mass poly(2-methyl-2-oxazoline)</p> <p><a href="#">Sedláček, O</a>; <a href="#">Monnery, BD</a> and <a href="#">Hoogenboom, R</a></p> <p>Mar 21 2019   <a href="#">POLYMER CHEMISTRY</a> 10 (11) , pp.1286-1290</p>                                                                                                                            | 6 | 7  | 4 | 5 | 0 | 4.33 | 26 |
| ⊖ 18 | <p>Reactive Oxygen Species (ROS)-Responsive Polymersomes with Site-Specific Chemotherapeutic Delivery into Tumors via Spacer Design Chemistry</p> <p><a href="#">Jäger, E</a>; <a href="#">Sincari, V</a>; (...); <a href="#">Hruby, M</a></p> <p>Apr 2020   <a href="#">BIOMACROMOLECULES</a> 21 (4) , pp.1437-1449</p>                                                          | 4 | 14 | 2 | 5 | 0 | 5    | 25 |
|      |                                                                                                                                                                                                                                                                                                                                                                                   | 2 | 6  | 7 | 8 | 0 | 4.17 | 25 |

|    |                                                                                                                                                                                                                                                                                                                                                             |   |   |    |   |   |      |    |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|----|---|---|------|----|
| 19 | <p>Poly(2-oxazoline)s One-Pot Polymerization and Surface Coating: From Synthesis to Antifouling Properties Out-Performing Poly(ethylene oxide)</p> <p><a href="#">Svoboda, J</a>; <a href="#">Sedláček, O</a>; (...); <a href="#">Pop-Georgievski, O</a></p> <p>Sep 2019   <a href="#">BIOMACROMOLECULES</a> 20 (9) , pp.3453-3463</p>                      |   |   |    |   |   |      |    |
| 20 | <p>Silver-coated monolithic columns for separation in radiopharmaceutical applications</p> <p><a href="#">Sedláček, O</a>; <a href="#">Kucka, J</a>; (...); <a href="#">Hruby, M</a></p> <p>Apr 2014   <a href="#">JOURNAL OF SEPARATION SCIENCE</a> 37 (7) , pp.798-802</p>                                                                                | 3 | 1 | 0  | 2 | 0 | 2.27 | 25 |
| 21 | <p>Poly(2-methyl-2-oxazoline) conjugates with doxorubicin: From synthesis of high drug loading water-soluble constructs to in vitro anti-cancer properties</p> <p><a href="#">Sedláček, O</a>; <a href="#">Van Driessche, A</a>; (...); <a href="#">Hoogenboom, R</a></p> <p>Oct 10 2020   <a href="#">JOURNAL OF CONTROLLED RELEASE</a> 326 , pp.53-62</p> | 0 | 4 | 11 | 9 | 0 | 4.8  | 24 |
| 22 | <p>Polymer nitric oxide donors potentiate the treatment of experimental solid tumours by increasing drug accumulation in the tumour tissue</p> <p><a href="#">Studenovsky, M</a>; <a href="#">Sivak, L</a>; (...); <a href="#">Sirova, M</a></p> <p>Jan 10 2018   <a href="#">JOURNAL OF CONTROLLED RELEASE</a> 269 , pp.214-224</p>                        | 6 | 8 | 6  | 0 | 0 | 3.29 | 23 |
| 23 | <p>Poly(2-amino-2-oxazoline)s: a new class of thermoresponsive polymers</p> <p><a href="#">Sedláček, O</a>; <a href="#">Bera, D</a> and <a href="#">Hoogenboom, R</a></p> <p>Sep 14 2019   <a href="#">POLYMER CHEMISTRY</a> 10 (34) , pp.4683-4689</p>                                                                                                     | 5 | 8 | 1  | 6 | 0 | 3.67 | 22 |
| 24 | <p><sup>19</sup>F Magnetic Resonance Imaging of Injectable Polymeric Implants with Multiresponsive Behavior</p> <p><a href="#">Sedláček, O</a>; <a href="#">Jirak, D</a>; (...); <a href="#">Hruby, M</a></p> <p>Aug 14 2018   <a href="#">CHEMISTRY OF MATERIALS</a> 30 (15) , pp.4892-4896</p>                                                            | 8 | 3 | 4  | 2 | 0 | 3.14 | 22 |
| 25 | <p>Glycogen as a Biodegradable Construction Nanomaterial for in vivo Use</p> <p><a href="#">Filippov, S K</a>; <a href="#">Sedláček, O</a>; (...); <a href="#">Hruby, M</a></p> <p>Dec 2012   <a href="#">MACROMOLECULAR BIOSCIENCE</a> 12 (12) , pp.1731-1738</p>                                                                                          | 3 | 2 | 3  | 2 | 0 | 1.69 | 22 |
| 26 | <p>The effect of ionizing radiation on biocompatible polymers: From sterilization to radiolysis and hydrogel formation</p> <p><a href="#">Sedláček, O</a>; <a href="#">Kucka, J</a>; (...); <a href="#">Hruby, M</a></p> <p>Mar 2017   <a href="#">POLYMER DEGRADATION AND STABILITY</a> 137 , pp.1-10</p>                                                  | 3 | 4 | 3  | 4 | 0 | 2.5  | 20 |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                  |   |   |    |   |   |      |    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|----|---|---|------|----|
| ⊖ 27 | <p>Study of Complex Thermosensitive Amphiphilic Polyoxazolines and Their Interaction with Ionic Surfactants. Are Hydrophobic, Thermosensitive, and Hydrophilic Moieties Equally Important?</p> <p><a href="#">Bogomolova, A</a>; <a href="#">Filippov, SK</a>; (...); <a href="#">Stepanek, P</a></p> <p>May 8 2014   <a href="#">JOURNAL OF PHYSICAL CHEMISTRY B</a> 118 (18) , pp.4940-4950</p>                | 0 | 2 | 1  | 0 | 0 | 1.82 | 20 |
| ⊖ 28 | <p>Glycogen-graft-poly(2-alkyl-2-oxazolines) - the new versatile biopolymer-based thermoresponsive macromolecular toolbox</p> <p><a href="#">Pospisilova, A</a>; <a href="#">Filippov, SK</a>; (...); <a href="#">Hruby, M</a></p> <p>2014   <a href="#">RSC ADVANCES</a> 4 (106) , pp.61580-61588</p>                                                                                                           | 1 | 1 | 1  | 2 | 0 | 1.82 | 20 |
| ⊖ 29 | <p>Fine tuning of the pH-dependent drug release rate from polyHPMA-ellipticinium conjugates</p> <p><a href="#">Sedláček, O</a>; <a href="#">Studenovsky, M</a>; (...); <a href="#">Hruby, M</a></p> <p>Sep 15 2013   <a href="#">BIOORGANIC &amp; MEDICINAL CHEMISTRY</a> 21 (18) , pp.5669-5672</p>                                                                                                             | 1 | 1 | 0  | 1 | 0 | 1.58 | 19 |
| ⊖ 30 | <p>Porous Heat-Treated Polyacrylonitrile Scaffolds for Bone Tissue Engineering</p> <p><a href="#">Vetrik, M</a>; <a href="#">Parizek, M</a>; (...); <a href="#">Hruby, M</a></p> <p>Mar 14 2018   <a href="#">ACS APPLIED MATERIALS &amp; INTERFACES</a> 10 (10) , pp.8496-8506</p>                                                                                                                              | 3 | 4 | 1  | 3 | 0 | 2.57 | 18 |
| ⊖ 31 | <p>Small-angle X-ray scattering and light scattering study of hybrid nanoparticles composed of thermoresponsive triblock copolymer F127 and thermoresponsive statistical polyoxazolines with hydrophobic moieties</p> <p><a href="#">Bogomolova, A</a>; <a href="#">Hruby, M</a>; (...); <a href="#">Filippov, SK</a></p> <p>Dec 2013   <a href="#">JOURNAL OF APPLIED CRYSTALLOGRAPHY</a> 46 , pp.1690-1698</p> | 0 | 2 | 1  | 1 | 0 | 1.5  | 18 |
| ⊖ 32 | <p>Ellipticine-Aimed Polymer-Conjugated Auger Electron Emitter: Multistage Organelle Targeting Approach</p> <p><a href="#">Sedlacek, O</a>; <a href="#">Hruby, M</a>; (...); <a href="#">Ulbrich, K</a></p> <p>Jun 2011   <a href="#">BIOCONJUGATE CHEMISTRY</a> 22 (6) , pp.1194-1201</p>                                                                                                                       | 0 | 1 | 0  | 0 | 0 | 1.29 | 18 |
| ⊖ 33 | <p>Fluorinated Water-Soluble Poly(2-oxazoline)s as Highly Sensitive <sup>19</sup>F MRI Contrast Agents</p> <p><a href="#">Sedlacek, O</a>; <a href="#">Jirak, D</a>; (...); <a href="#">Hoogenboom, R</a></p> <p>Aug 11 2020   <a href="#">MACROMOLECULES</a> 53 (15) , pp.6387-6395</p>                                                                                                                         | 0 | 5 | 7  | 5 | 0 | 3.4  | 17 |
| ⊖ 34 | <p>Implant-forming polymeric <sup>19</sup>F MRI-tracer with tunable dissolution</p> <p><a href="#">Kolouchova, K</a>; <a href="#">Jirak, D</a>; (...); <a href="#">Hruby, M</a></p> <p>Nov 10 2020   <a href="#">JOURNAL OF CONTROLLED RELEASE</a> 327 , pp.50-60</p>                                                                                                                                            | 1 | 4 | 10 | 1 | 0 | 3.2  | 16 |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                 |   |   |    |   |   |      |    |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|----|---|---|------|----|
| <div>⊖</div> 35 | <p>Antifouling fluoropolymer-coated nanomaterials for <sup>19</sup>F MRI</p> <p><a href="#">Jirak, D</a>; <a href="#">Svoboda, J</a>; (...); <a href="#">Sedlacek, O</a></p> <p>May 11 2021   Apr 2021 (Early Access)   <a href="#">CHEMICAL COMMUNICATIONS</a> 57 (38) , pp.4718-4721</p>                                                                                                      | 0 | 0 | 10 | 5 | 0 | 3.75 | 15 |
| <div>⊖</div> 36 | <p>Solvent-control over monomer distribution in the copolymerization of 2-oxazolines and the effect of a gradient structure on self-assembly</p> <p><a href="#">Bera, D</a>; <a href="#">Sedlacek, O</a>; (...); <a href="#">Hoogenboom, R</a></p> <p>Oct 7 2019   <a href="#">POLYMER CHEMISTRY</a> 10 (37) , pp.5116-5123</p>                                                                 | 0 | 4 | 3  | 4 | 0 | 2    | 12 |
| <div>⊖</div> 37 | <p>Double stimuli-responsive polymer systems: How to use crosstalk between pH- and thermosensitivity for drug depots</p> <p><a href="#">Bogomolova, A</a>; <a href="#">Kaberov, L</a>; (...); <a href="#">Hruby, M</a></p> <p>Nov 2016   <a href="#">EUROPEAN POLYMER JOURNAL</a> 84 , pp.54-64</p>                                                                                             | 3 | 0 | 1  | 1 | 0 | 1.33 | 12 |
| <div>⊖</div> 38 | <p>Influence of Chain Length of Gradient and Block Copoly(2-oxazoline)s on Self-Assembly and Drug Encapsulation</p> <p><a href="#">Sedlacek, O</a>; <a href="#">Bardoula, V</a>; (...); <a href="#">Hoogenboom, R</a></p> <p>Apr 2022   Feb 2022 (Early Access)   <a href="#">SMALL</a> 18 (17)</p>                                                                                             | 0 | 0 | 6  | 5 | 0 | 3.67 | 11 |
| <div>⊖</div> 39 | <p>Self-Assembly, Drug Encapsulation, and Cellular Uptake of Block and Gradient Copolymers of 2-Methyl-2-oxazine and 2-<i>n</i>-Propyl/butyl-2-oxazoline</p> <p><a href="#">Babuka, D</a>; <a href="#">Kolouchova, K</a>; (...); <a href="#">Stepanek, P</a></p> <p>Dec 14 2021   <a href="#">MACROMOLECULES</a> 54 (23) , pp.10667-10681</p> <p> <div>☰</div> ★ Enriched Cited References </p> | 0 | 0 | 6  | 5 | 0 | 2.75 | 11 |
| <div>⊖</div> 40 | <p>Multistage-targeted pH-responsive polymer conjugate of Auger electron emitter: Optimized design and <i>in vivo</i> activity</p> <p><a href="#">Sedlacek, O</a>; <a href="#">Kucka, J</a>; (...); <a href="#">Hruby, M</a></p> <p>Oct 15 2014   <a href="#">EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES</a> 63 , pp.216-225</p>                                                               | 2 | 0 | 0  | 0 | 0 | 1    | 11 |
| <div>⊖</div> 41 | <p>A unified kinetic Monte Carlo approach to evaluate (a)symmetric block and gradient copolymers with linear and branched chains illustrated for poly(2-oxazoline)s</p> <p><a href="#">Conka, R</a>; <a href="#">Marien, YW</a>; (...); <a href="#">D'hooge, DR</a></p> <p>Mar 15 2022   Feb 2022 (Early Access)   <a href="#">POLYMER CHEMISTRY</a> 13 (11) , pp.1559-1575</p>                 | 0 | 0 | 3  | 6 | 0 | 3    | 9  |
| <div>⊖</div> 42 | <p>Biopolymer strategy for the treatment of Wilson's disease</p> <p><a href="#">Vetrik, M</a>; <a href="#">Mattova, J</a>; (...); <a href="#">Hruby, M</a></p> <p>Mar 10 2018   <a href="#">JOURNAL OF CONTROLLED RELEASE</a> 273 , pp.131-138</p>                                                                                                                                              | 2 | 2 | 2  | 2 | 0 | 1.29 | 9  |
| <div>⊖</div> 43 | <p>Immiscibility of Chemically Alike Amorphous Polymers: Phase Separation of Poly(2-ethyl-2-oxazoline) and Poly(2-<i>n</i>-propyl-2-oxazoline)</p>                                                                                                                                                                                                                                              | 1 | 2 | 2  | 3 | 0 | 1.6  | 8  |

|                                      |                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |      |   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|------|---|
|                                      | <a href="#">Schoolaert, E; Merckx, R; (...); Hoogenboom, R</a><br>Sep 8 2020   <a href="#">MACROMOLECULES</a> 53 (17) , pp.7590-7600                                                                                                                                                                                                                      |   |   |   |   |   |      |   |
| <div><div><div></div></div></div> 44 | <div><div>Poly(2-ethyl-2-oxazoline) Conjugates with Salicylic Acid via Degradable Modular Ester Linkages</div><div><a href="#">Bernhard, Y; Sedlacek, O; (...); Hoogenboom, R</a></div><div>Aug 2020   <a href="#">BIOMACROMOLECULES</a> 21 (8) , pp.3207-3215</div></div>                                                                                | 0 | 2 | 2 | 4 | 0 | 1.6  | 8 |
| <div><div><div></div></div></div> 45 | <div><div>Chelating polymeric particles intended for the therapy of Wilson's disease</div><div><a href="#">Skodová, M; Kucka, J; (...); Hruby, M</a></div><div>Nov 2013   <a href="#">REACTIVE &amp; FUNCTIONAL POLYMERS</a> 73 (11) , pp.1426-1431</div></div>                                                                                           | 0 | 1 | 0 | 0 | 0 | 0.67 | 8 |
| <div><div><div></div></div></div> 46 | <div><div>Collective polyelectrolyte diffusion as a function of counterion size and dielectric constant</div><div><a href="#">Filippov, SK; Seery, TAP; (...); Stepánek, P</a></div><div>Sep 2013   <a href="#">POLYMER INTERNATIONAL</a> 62 (9) , pp.1271-1276</div></div>                                                                               | 1 | 2 | 0 | 2 | 0 | 0.67 | 8 |
| <div><div><div></div></div></div> 47 | <div><div>SET-LRP Synthesis of Well-Defined Light-Responsible Block Copolymer Micelles</div><div><a href="#">Sedlacek, O; Filippov, SK; (...); Hruby, M</a></div><div>Oct 2019   Sep 2019 (Early Access)   <a href="#">MACROMOLECULAR CHEMISTRY AND PHYSICS</a> 220 (19)</div><div><div><div></div></div>Enriched Cited References</div></div>            | 0 | 6 | 0 | 1 | 0 | 1.17 | 7 |
| <div><div><div></div></div></div> 48 | <div><div>The synthesis of the 8-C-substituted 2,6-diamino-9-[2-(phosphonomethoxy)ethyl]purine (PMEDAP) derivatives by diverse cross-coupling reactions</div><div><a href="#">Sedláček, O; Brehová, P; (...); Janeba, Z</a></div><div>Apr 2011   <a href="#">CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE</a> 89 (4) , pp.488-498</div></div> | 1 | 1 | 0 | 1 | 0 | 0.5  | 7 |
|                                      |                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |      |   |



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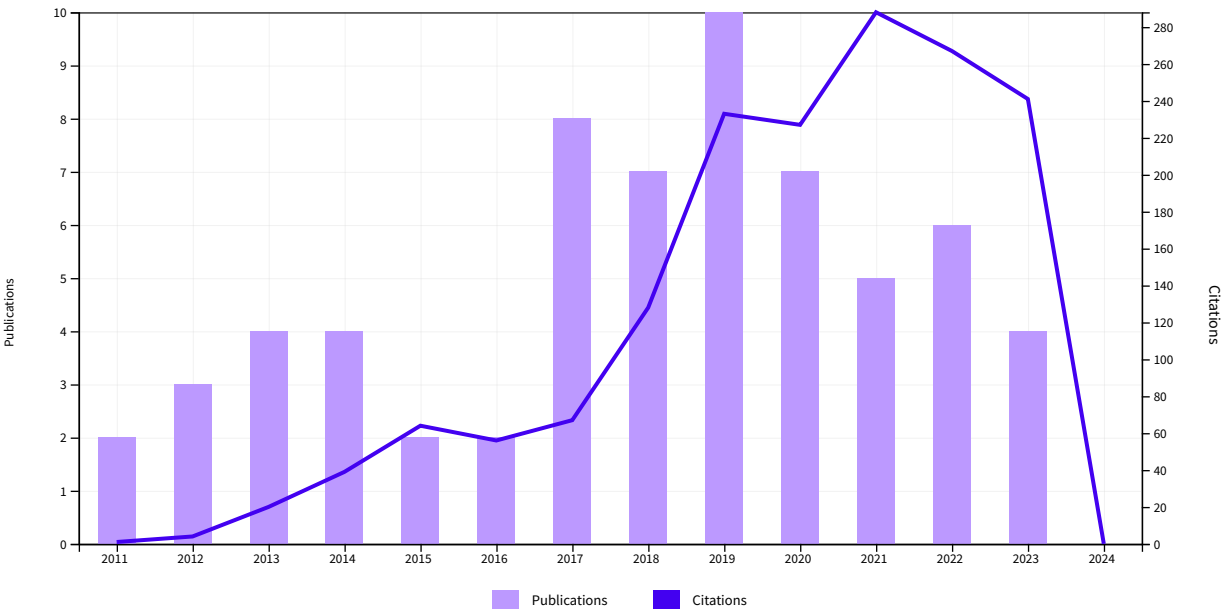
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| 64<br>Publications                                                                                                                                      | Sort by: Citations: highest first ▾ | <div>&lt; 2 of 2 &gt;</div> | Citations                                         |      |      |      |      |                  |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------|---------------------------------------------------|------|------|------|------|------------------|-------|
|                                                                                                                                                         |                                     |                             | <div>&lt; Previous year      Next year &gt;</div> |      |      |      |      | Average per year | Total |
|                                                                                                                                                         |                                     |                             | 2020                                              | 2021 | 2022 | 2023 | 2024 |                  |       |
| Total                                                                                                                                                   |                                     |                             | 227                                               | 288  | 267  | 241  | 0    | 116.79           | 1,635 |
| Linear Poly(ethylenimine-propylenimine) Random Copolymers for Gene Delivery: From Polymer Synthesis to Efficient Transfection with High Serum Tolerance |                                     |                             | 0                                                 | 0    | 1    | 4    | 0    | 1.67             | 5     |

|    |                                                                                                                                                                                                                                                                                                                                                                      |   |   |   |   |   |      |   |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|------|---|
| 51 | <p><a href="#">Elzes, MR; Mertens, I; (...); Hoogenboom, R</a></p> <p>Jun 13 2022   May 2022 (Early Access)   <a href="#">BIOMACROMOLECULES</a> 23 (6) , pp.2459-2470</p> <p>★ Enriched Cited References</p>                                                                                                                                                         |   |   |   |   |   |      |   |
| 52 | <p>Fluorinated Ferrocene Moieties as a Platform for Redox-Responsive Polymer <sup>19</sup>F MRI Theranostics</p> <p><a href="#">Svec, P; Petrov, OV; (...); Hruby, M</a></p> <p>Jan 25 2022   Dec 2021 (Early Access)   <a href="#">MACROMOLECULES</a> 55 (2) , pp.658-671</p> <p>★ Enriched Cited References</p>                                                    | 0 | 0 | 1 | 4 | 0 | 1.25 | 5 |
| 53 | <p>Synthesis of <sup>19</sup>F MRI Nanotracers by Dispersion Polymerization-Induced Self-Assembly of N-(2,2,2-Trifluoroethyl)acrylamide in Water</p> <p><a href="#">Panakkal, VM; Havlicek, D; (...); Sedlacek, O</a></p> <p>Nov 14 2022   Oct 2022 (Early Access)   <a href="#">BIOMACROMOLECULES</a> 23 (11) , pp.4814-4824</p>                                    | 0 | 0 | 0 | 4 | 0 | 1.33 | 4 |
| 54 | <p>A broad tuneable birdcage coil for mouse <sup>1</sup>H/<sup>19</sup>F MR applications</p> <p><a href="#">Vít, M; Burian, M; (...); Jirak, D</a></p> <p>Aug 2021   Jun 2021 (Early Access)   <a href="#">JOURNAL OF MAGNETIC RESONANCE</a> 329</p> <p>★ Enriched Cited References</p>                                                                              | 0 | 0 | 3 | 1 | 0 | 1    | 4 |
| 55 | <p>Multi-Responsive Polymer Micelles as Ellipticine Delivery Carriers for Cancer Therapy</p> <p><a href="#">Studenovsky, M; Sedláček, O; (...); Ulbrich, K</a></p> <p>Feb 2015   <a href="#">ANTICANCER RESEARCH</a> 35 (2) , pp.753-757</p>                                                                                                                         | 1 | 0 | 1 | 1 | 0 | 0.4  | 4 |
| 56 | <p>Phase Separation and pH-Dependent Behavior of Four-Arm Star-Shaped Porphyrin-PNIPAM<sub>4</sub> Conjugates</p> <p><a href="#">Velychkivska, N; Sedláček, O; (...); Labuta, J</a></p> <p>Mar 22 2022   <a href="#">MACROMOLECULES</a> 55 (6) , pp.2109-2122</p> <p>★ Enriched Cited References</p>                                                                 | 0 | 0 | 2 | 1 | 0 | 1    | 3 |
| 57 | <p>Antifouling Properties of Poly(2-Oxazoline)s and Poly(2-Oxazine)s: Direct Comparison of Polymer-Coated Surfaces with the Same Coating Parameters</p> <p><a href="#">Svoboda, J; Lusiani, N; (...); Sedlacek, O</a></p> <p>Sep 2023   Jun 2023 (Early Access)   <a href="#">MACROMOLECULAR RAPID COMMUNICATIONS</a> 44 (17)</p> <p>★ Enriched Cited References</p> | 0 | 0 | 0 | 2 | 0 | 1    | 2 |
| 58 | <p>Iodinated Choline Transport-Targeted Tracers</p> <p><a href="#">Svec, P; Novy, Z; (...); Hruby, M</a></p> <p>Dec 24 2020   <a href="#">JOURNAL OF MEDICINAL CHEMISTRY</a> 63 (24) , pp.15960-15978</p>                                                                                                                                                            | 0 | 0 | 2 | 0 | 0 | 0.4  | 2 |
|    |                                                                                                                                                                                                                                                                                                                                                                      | 0 | 0 | 0 | 1 | 0 | 0.5  | 1 |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |      |   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|------|---|
| 59 | <p><b>Conformational Parameters and Hydrodynamic Behavior of Poly(2-Methyl-2-Oxazoline) in a Broad Molar Mass Range</b></p> <p><a href="#">Gubarev, AS</a>; <a href="#">Lezov, AA</a>; (...); <a href="#">Tsvetkov, NV</a></p> <p>Feb 2023   <a href="#">POLYMERS</a> 15 (3)</p> <p> Enriched Cited References</p>                                                                                                                        |   |   |   |   |   |      |   |
| 60 | <p><b>Thermoresponsive Triblock Copolymers as Widely Applicable 19F Magnetic Resonance Imaging Tracers</b></p> <p><a href="#">Kolouchova, K</a>; <a href="#">Groborz, O</a>; (...); <a href="#">Van Vlierberghe, S</a></p> <p>Dec 27 2022   <a href="#">CHEMISTRY OF MATERIALS</a> 34 (24) , pp.10902-10916</p>                                                                                                                           | 0 | 0 | 0 | 1 | 0 | 0.33 | 1 |
| 61 | <p><b>Poly(2-ethyl-2-oxazoline) conjugate of doxorubicin bound via pH-sensitive hydrazone linker: comparison with poly[N-(2-hydroxypropyl)methacrylamide] peer</b></p> <p><a href="#">Sedlacek, O</a>; <a href="#">Monnery, BD</a>; (...); <a href="#">Hruby, M</a></p> <p>4th Symposium on Innovative Polymers for Controlled Delivery (SIPCD)</p> <p>Aug 10 2017   <a href="#">JOURNAL OF CONTROLLED RELEASE</a> 259 , pp.E100-E101</p> | 0 | 1 | 0 | 0 | 0 | 0.13 | 1 |
| 62 | <p><b>Cationic ring-opening polymerization of 2-oxazolines and 2-oxazines in biomass-derived solvents</b></p> <p><a href="#">Lusiani, N</a>; <a href="#">Panakkal, VM</a> and <a href="#">Sedlacek, O</a></p> <p>Nov 17 2023   <a href="#">POLYMER</a> 287</p> <p> Enriched Cited References</p>                                                                                                                                          | 0 | 0 | 0 | 0 | 0 | 0    | 0 |
| 63 | <p><b>Thioether-based poly(2-oxazoline)s: from optimized synthesis to advanced ROS-responsive nanomaterials</b></p> <p><a href="#">Bener, S</a>; <a href="#">Pavlova, E</a>; (...); <a href="#">Sedlacek, O</a></p> <p>Oct 31 2023   Oct 2023 (Early Access)   <a href="#">POLYMER CHEMISTRY</a> 14 (42) , pp.4838-4847</p> <p> Enriched Cited References</p>                                                                             | 0 | 0 | 0 | 0 | 0 | 0    | 0 |
| 64 | <p><b>New treatment of Wilson's disease</b></p> <p><a href="#">Vetrik, M</a>; <a href="#">Mattova, J</a>; (...); <a href="#">Hruby, M</a></p> <p>4th Symposium on Innovative Polymers for Controlled Delivery (SIPCD)</p> <p>Aug 10 2017   <a href="#">JOURNAL OF CONTROLLED RELEASE</a> 259 , pp.E97-E98</p>                                                                                                                             | 0 | 0 | 0 | 0 | 0 | 0    | 0 |

Citation Report Publications Table

