

Bartosz Tylkowski

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,291
citations

331670

21
h-index

377865

34
g-index

81
all docs

81
docs citations

81
times ranked

1677
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Extraction of biologically active compounds from propolis and concentration of extract by nanofiltration. <i>Journal of Membrane Science</i> , 2010, 348, 124-130. | 8.2 | 81 |
| 2 | Light-Responsive Polymer Micro- and Nano-Capsules. <i>Polymers</i> , 2017, 9, 8. | 4.5 | 74 |
| 3 | Current Perspectives of the Applications of Polyphenols and Flavonoids in Cancer Therapy. <i>Molecules</i> , 2020, 25, 3342. | 3.8 | 71 |
| 4 | Concentration of biologically active compounds extracted from <i>Sideritis</i> ssp. L. by nanofiltration. <i>Food and Bioproducts Processing</i> , 2011, 89, 307-314. | 3.6 | 64 |
| 5 | The Effect of pH on the Size of Silver Nanoparticles Obtained in the Reduction Reaction with Citric and Malic Acids. <i>Materials</i> , 2020, 13, 5444. | 2.9 | 60 |
| 6 | Alginate-based hydrogels for cancer therapy and research. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 424-436. | 7.5 | 59 |
| 7 | Encapsulation for Cancer Therapy. <i>Molecules</i> , 2020, 25, 1605. | 3.8 | 56 |
| 8 | Milestones and current achievements in development of multifunctional bioscaffolds for medical application. <i>Bioactive Materials</i> , 2021, 6, 2412-2438. | 15.6 | 52 |
| 9 | Preparation of a new lightly cross-linked liquid crystalline polyamide by interfacial polymerization. Application to the obtainment of microcapsules with photo-triggered release. <i>European Polymer Journal</i> , 2009, 45, 1420-1432. | 5.4 | 50 |
| 10 | PVDF Membrane Morphology—Influence of Polymer Molecular Weight and Preparation Temperature. <i>Polymers</i> , 2017, 9, 718. | 4.5 | 48 |
| 11 | Power of light — Functional complexes based on azobenzene molecules. <i>Coordination Chemistry Reviews</i> , 2017, 351, 205-217. | 18.8 | 46 |
| 12 | Photo-responsive polymer nanocapsules. <i>Polymer</i> , 2015, 70, 222-230. | 3.8 | 45 |
| 13 | Light-Responsive Nanocapsule-Coated Polymer Films for Antimicrobial Active Packaging. <i>Polymers</i> , 2019, 11, 68. | 4.5 | 42 |
| 14 | Machine learning in drug design: Use of artificial intelligence to explore the chemical structure—biological activity relationship. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2022, 12, e1568. | 14.6 | 38 |
| 15 | Concentration of ethanolic extracts from <i>Sideritis</i> ssp. L. by nanofiltration: Comparison of dead-end and cross-flow modes. <i>Food and Bioproducts Processing</i> , 2013, 91, 169-174. | 3.6 | 36 |
| 16 | Preparation and Characterization of Light-Sensitive Microcapsules Based on a Liquid Crystalline Polyester. <i>Langmuir</i> , 2013, 29, 1601-1608. | 3.5 | 34 |
| 17 | Ultrasound-assisted extraction of biologically active compounds and their successive concentration by using membrane processes. <i>Chemical Engineering Research and Design</i> , 2019, 147, 378-389. | 5.6 | 31 |
| 18 | Visible-Light Responsive Nanocapsules for Wavelength-Selective Release of Natural Active Agents. <i>ACS Applied Nano Materials</i> , 2019, 2, 4499-4506. | 5.0 | 30 |

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|----|--|------|-----------|
| 19 | Essential oils as solvents and core materials for the preparation of photo-responsive polymer nanocapsules. <i>Nano Research</i> , 2018, 11, 2783-2795. | 10.4 | 29 |
| 20 | Extraction of biologically active compounds from <i>Sideritis</i> ssp. L.. <i>Food and Bioproducts Processing</i> , 2011, 89, 273-280. | 3.6 | 28 |
| 21 | Light-Induced Switching of the Wettability of Novel Asymmetrical Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (all 14821-14829. | 3.5 | 24 |
| 22 | Synthesis, characterization, and photoresponsive behavior of new azobenzene-containing polyethers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5426-5436. | 2.3 | 18 |
| 23 | Technological solutions for encapsulation. <i>ChemistrySelect</i> , 2017, 2, . | 1.5 | 17 |
| 24 | Photo-triggered capsules based on lanthanide-doped upconverting nanoparticles for medical applications. <i>Coordination Chemistry Reviews</i> , 2019, 398, 213013. | 18.8 | 17 |
| 25 | Permeation Behavior of Polysulfone Membranes Modified by Fully Organic Layer-by-Layer Assemblies. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 16406-16413. | 3.7 | 16 |
| 26 | Stability and anti-proliferative properties of biologically active compounds extracted from <i>Cistus</i> L. after sterilization treatments. <i>Scientific Reports</i> , 2020, 10, 6521. | 3.3 | 16 |
| 27 | The importance of orientation in proton transport of a polymer film based on an oriented self-organized columnar liquid-crystalline polyether. <i>Materials Science and Engineering C</i> , 2012, 32, 105-111. | 7.3 | 15 |
| 28 | Photo-triggered Microcapsules. <i>Macromolecular Symposia</i> , 2016, 360, 192-198. | 0.7 | 13 |
| 29 | Concentration and Fractionation of Polyphenols by Membrane Operations. <i>Current Pharmaceutical Design</i> , 2017, 23, 231-241. | 1.9 | 12 |
| 30 | Squeezing release mechanism of encapsulated compounds from photo-sensitive microcapsules. <i>Applied Surface Science</i> , 2019, 472, 143-149. | 6.1 | 11 |
| 31 | Polyphenols encapsulation – application of innovation technologies to improve stability of natural products. <i>Physical Sciences Reviews</i> , 2016, 1, . | 0.8 | 10 |
| 32 | Ambient CO ₂ adsorption via membrane contactors – Value of assimilation from air as nature stomata. <i>Journal of Membrane Science</i> , 2018, 546, 41-49. | 8.2 | 10 |
| 33 | Modification of Collagen/Gelatin/Hydroxyethyl Cellulose-Based Materials by Addition of Herbal Extract-Loaded Microspheres Made from Gellan Gum and Xanthan Gum. <i>Materials</i> , 2020, 13, 3507. | 2.9 | 10 |
| 34 | Modeling of Azobenzene-Based Compounds. <i>ChemistrySelect</i> , 2017, 2, . | 1.5 | 9 |
| 35 | Ciprofloxacin and Graphene Oxide Combination – New Face of a Known Drug. <i>Materials</i> , 2020, 13, 4224. | 2.9 | 9 |
| 36 | Contrasting Photo-Switching Rates in Azobenzene Derivatives: How the Nature of the Substituent Plays a Role. <i>Polymers</i> , 2020, 12, 1019. | 4.5 | 9 |

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|----|---|-----|-----------|
| 37 | Silver CD-R based substrate as a SERS active material. Journal of the Iranian Chemical Society, 2016, 13, 841-845. | 2.2 | 7 |
| 38 | Polymer Blends for Improved CO2 Capture Membranes. Polymers, 2019, 11, 1662. | 4.5 | 7 |
| 39 | Applications of silver nanoparticles stabilized and/or immobilized by polymer matrixes. ChemistrySelect, 2017, 2, . | 1.5 | 6 |
| 40 | Molecular Design of Microcapsule Shells for Visible Light-Triggered Release. Polymers, 2019, 11, 904. | 4.5 | 6 |
| 41 | Controlling the Skin Barrier Quality through the Application of Polymeric Films Containing Microspheres with Encapsulated Plant Extract. Processes, 2020, 8, 530. | 2.8 | 6 |
| 42 | 6. Technological solutions for encapsulation. , 2017, , 171-202. | | 5 |
| 43 | Acrylic microspheres as drug delivery systems: synthesis through <i>in situ</i> microemulsion photoinduced polymerization and characterization. Polymer International, 2013, 62, 304-309. | 3.1 | 4 |
| 44 | Photo-triggered release in polyamide nanosized capsules. , 2014, , . | | 4 |
| 45 | Complexes of biogenic amines in their role in living systems. ChemistrySelect, 2016, 1, . | 1.5 | 4 |
| 46 | 4. Smart Capsules for Lead Removal from Industrial Wastewater. , 2017, 17, 61-78. | | 4 |
| 47 | Developments in platinum anticancer drugs. ChemistrySelect, 2018, 3, . | 1.5 | 4 |
| 48 | Smart microcapsules for precise delivery systems. Functional Materials Letters, 2018, 11, 1850041. | 1.2 | 4 |
| 49 | Polysulfone biomimetic membrane for CO2 capture. Functional Materials Letters, 2018, 11, 1850046. | 1.2 | 4 |
| 50 | Ortho-substituted azobenzene: shedding light on new benefits. Pure and Applied Chemistry, 2019, 91, 1533-1546. | 1.9 | 4 |
| 51 | Synthesis and characterization of a new family of photoactive liquid crystalline polyesters based on <i>trans</i> -methylstilbene. Polymer International, 2014, 63, 315-326. | 3.1 | 3 |
| 52 | Photo-sensitive complexes based on azobenzene. ChemistrySelect, 2016, 1, . | 1.5 | 3 |
| 53 | Preparation and Characterization of UV-Curable Acrylic Membranes Embedding Natural Antioxidants. Polymers, 2020, 12, 358. | 4.5 | 3 |
| 54 | The problem of fouling in submerged membrane bioreactors – Model validation and experimental evidence. ChemistrySelect, 2018, 3, . | 1.5 | 2 |

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|----|---|-----|-----------|
| 55 | 11. Concentration of polyphenols by integrated membrane operations. , 2013, , 269-294. | | 1 |
| 56 | 5. Polyphenols encapsulation – application of innovation technologies to improve stability of natural products. , 2015, , 97-114. | | 1 |
| 57 | An atomistic insight into light-sensitive polymers with methylstilbene building blocks. Polymer International, 2015, 64, 935-941. | 3.1 | 1 |
| 58 | Supramolecular synthons and pattern recognition in adenine amides – synthesis, structures and thermal properties. Supramolecular Chemistry, 2015, 27, 571-583. | 1.2 | 1 |
| 59 | 3. Complexes of biogenic amines in their role in living systems. , 0, , . | | 1 |
| 60 | Polymer application for separation/filtration of biological active compounds. ChemistrySelect, 2017, 2, . | 1.5 | 1 |
| 61 | Computer analysis of potentiometric data of complexes formation in the solution. ChemistrySelect, 2018, 3, . | 1.5 | 1 |
| 62 | Present trends in the encapsulation of anticancer drugs. ChemistrySelect, 2021, . | 1.5 | 1 |
| 63 | Medical Plaster Enhancement by Coating with Cistus L. Extracts within a Chitosan Matrix: From Natural Complexity to Health Care Simplicity. Materials, 2021, 14, 582. | 2.9 | 1 |
| 64 | 2. Photo-sensitive complexes based on azobenzene. , 0, , . | | 0 |
| 65 | 1. Photosensitive microcapsules. , 2015, , 1-18. | | 0 |
| 66 | 2. Smart microcapsules based on photo-isomerizable moieties. , 2015, , 19-36. | | 0 |
| 67 | 7. Developments in platinum anticancer drugs. , 0, , . | | 0 |
| 68 | Smart microcapsules based on photo-isomerizable moieties. Physical Sciences Reviews, 2016, 1, . | 0.8 | 0 |
| 69 | Photosensitive microcapsules. Physical Sciences Reviews, 2016, 1, . | 0.8 | 0 |
| 70 | 9. Polymer application for separation/filtration of biological active compounds. , 2017, , 277-292. | | 0 |
| 71 | 2. Light-sensitive microcapsules based on modified and un-modified azobenzene moieties. , 2020, , 23-48. | | 0 |
| 72 | 13. Applications of silver nanoparticles stabilized and/or immobilized by polymer matrixes. , 2017, , 401-426. | | 0 |

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|----|---|-----|-----------|
| 73 | Capsules of Chitosan a tailor drug delivery system with controlled release for specific organs Â. , 0, , . | | 0 |
| 74 | Modeling and assessment of the transfer effectiveness in integrated bioreactor with membrane separation. ChemistrySelect, 2022, 7, 877-900. | 1.5 | 0 |
| 75 | Membrane-based processes in essential oils production. ChemistrySelect, 2022, . | 1.5 | 0 |