Bartosz Tylkowski

List of Publications by Year in descending order

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	Machine learning in drug design: Use of artificial intelligence to explore the chemical structureâ€“biological activity relationship. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2022, 12, e1568.	14.6	38
2	Modeling and assessment of the transfer effectiveness in integrated bioreactor with membrane separation. ChemistrySelect, 2022, 7, 877-900.	1.5	0
3	Membrane-based processes in essential oils production. ChemistrySelect, 2022, .	1.5	0
4	Present trends in the encapsulation of anticancer drugs. ChemistrySelect, 2021, .	1.5	1
5	Alginate-based hydrogels for cancer therapy and research. International Journal of Biological Macromolecules, 2021, 170, 424-436.	7.5	59
6	Milestones and current achievements in development of multifunctional bioscaffolds for medical application. Bioactive Materials, 2021, 6, 2412-2438.	15.6	52
7	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
8	Ciprofloxacin and Graphene Oxide Combinationâ€”New Face of a Known Drug. Materials, 2020, 13, 4224.	2.9	9
9	Current Perspectives of the Applications of Polyphenols and Flavonoids in Cancer Therapy. Molecules, 2020, 25, 3342.	3.8	71
10	Modification of Collagen/Gelatin/Hydroxyethyl Cellulose-Based Materials by Addition of Herbal Extract-Loaded Microspheres Made from Gellan Gum and Xanthan Gum. Materials, 2020, 13, 3507.	2.9	10
11	The Effect of pH on the Size of Silver Nanoparticles Obtained in the Reduction Reaction with Citric and Malic Acids. Materials, 2020, 13, 5444.	2.9	60
12	Contrasting Photo-Switching Rates in Azobenzene Derivatives: How the Nature of the Substituent Plays a Role. Polymers, 2020, 12, 1019.	4.5	9
13	2. Light-sensitive microcapsules based on modified and un-modified azobenzene moieties. , 2020, , 23-48.		0
14	Controlling the Skin Barrier Quality through the Application of Polymeric Films Containing Microspheres with Encapsulated Plant Extract. Processes, 2020, 8, 530.	2.8	6
15	Preparation and Characterization of UV-Curable Acrylic Membranes Embedding Natural Antioxidants. Polymers, 2020, 12, 358.	4.5	3
16	Stability and anti-proliferative properties of biologically active compounds extracted from Cistus L. after sterilization treatments. Scientific Reports, 2020, 10, 6521.	3.3	16
17	Encapsulation for Cancer Therapy. Molecules, 2020, 25, 1605.	3.8	56
18	Photo-triggered capsules based on lanthanide-doped upconverting nanoparticles for medical applications. Coordination Chemistry Reviews, 2019, 398, 213013.	18.8	17

#	Article	IF	Citations
19	Visible-Light Responsive Nanocapsules for Wavelength-Selective Release of Natural Active Agents. ACS Applied Nano Materials, 2019, 2, 4499-4506.	5.0	30
20	Polymer Blends for Improved CO2 Capture Membranes. Polymers, 2019, 11, 1662.	4.5	7
21	Molecular Design of Microcapsule Shells for Visible Light-Triggered Release. Polymers, 2019, 11, 904.	4.5	6
22	Ultrasound-assisted extraction of biologically active compounds and their successive concentration by using membrane processes. Chemical Engineering Research and Design, 2019, 147, 378-389.	5.6	31
23	Ortho-substituted azobenzene: shedding light on new benefits. Pure and Applied Chemistry, 2019, 91, 1533-1546.	1.9	4
24	Light-Responsive Nanocapsule-Coated Polymer Films for Antimicrobial Active Packaging. Polymers, 2019, 11, 68.	4.5	42
25	Squeezing release mechanism of encapsulated compounds from photo-sensitive microcapsules. Applied Surface Science, 2019, 472, 143-149.	6.1	11
26	Computer analysis of potentiometric data of complexes formation in the solution. ChemistrySelect, 2018, 3, .	1.5	1
27	Ambient CO 2 adsorption via membrane contactors â€“ Value of assimilation from air as nature stomata. Journal of Membrane Science, 2018, 546, 41-49.	8.2	10
28	Developments in platinum anticancer drugs. ChemistrySelect, 2018, 3, .	1.5	4
29	Smart microcapsules for precise delivery systems. Functional Materials Letters, 2018, 11, 1850041.	1.2	4
30	The problem of fouling in submerged membrane bioreactors â€“ Model validation and experimental evidence. ChemistrySelect, 2018, 3, .	1.5	2
31	Polysulfone biomimetic membrane for CO2 capture. Functional Materials Letters, 2018, 11, 1850046.	1.2	4
32	Essential oils as solvents and core materials for the preparation of photo-responsive polymer nanocapsules. Nano Research, 2018, 11, 2783-2795.	10.4	29
33	Power of light â€“ Functional complexes based on azobenzene molecules. Coordination Chemistry Reviews, 2017, 351, 205-217.	18.8	46
34	4. Smart Capsules for Lead Removal from Industrial Wastewater. , 2017, 17, 61-78.		4
35	Applications of silver nanoparticles stabilized and/or immobilized by polymer matrixes. ChemistrySelect, 2017, 2, .	1.5	6
36	6. Technological solutions for encapsulation. , 2017, , 171-202.		5

#	Article	IF	Citations
37	9. Polymer application for separation/filtration of biological active compounds. , 2017, , 277-292.		0
38	Light-Responsive Polymer Micro- and Nano-Capsules. Polymers, 2017, 9, 8.	4.5	74
39	PVDF Membrane Morphologyâ€"Influence of Polymer Molecular Weight and Preparation Temperature. Polymers, 2017, 9, 718.	4.5	48
40	Modeling of Azobenzene-Based Compounds. ChemistrySelect, 2017, 2, .	1.5	9
41	Technological solutions for encapsulation. ChemistrySelect, 2017, 2, .	1.5	17
42	Polymer application for separation/filtration of biological active compounds. ChemistrySelect, 2017, 2, .	1.5	1
43	Concentration and Fractionation of Polyphenols by Membrane Operations. Current Pharmaceutical Design, 2017, 23, 231-241.	1.9	12
44	13. Applications of silver nanoparticles stabilized and/or immobilized by polymer matrixes. , 2017, , 401-426.		0
45	Polyphenols encapsulation â€“ application of innovation technologies to improve stability of natural products. Physical Sciences Reviews, 2016, 1, .	0.8	10
46	Photo-sensitive complexes based on azobenzene. ChemistrySelect, 2016, 1, .	1.5	3
47	Smart microcapsules based on photo-isomerizable moieties. Physical Sciences Reviews, 2016, 1, .	0.8	0
48	Photosensitive microcapsules. Physical Sciences Reviews, 2016, 1, .	0.8	0
49	Photoâ€Triggered Microcapsules. Macromolecular Symposia, 2016, 360, 192-198.	0.7	13
50	Complexes of biogenic amines in their role in living systems. ChemistrySelect, 2016, 1, .	1.5	4
51	Silver CD-R based substrate as a SERS active material. Journal of the Iranian Chemical Society, 2016, 13, 841-845.	2.2	7
52	5. Polyphenols encapsulation â€“ application of innovation technologies to improve stability of natural products. , 2015, , 97-114.		1
53	1. Photosensitive microcapsules. , 2015, , 1-18.		0
54	2. Smart microcapsules based on photo-isomerizable moieties. , 2015, , 19-36.		0

#	Article	IF	Citations
55	An atomistic insight into lightâ€sensitive polymers with methylstilbene building blocks. Polymer International, 2015, 64, 935-941.	3.1	1
56	Supramolecular synthons and pattern recognition in adenine amides â€“ synthesis, structures and thermal properties. Supramolecular Chemistry, 2015, 27, 571-583.	1.2	1
57	Photo-responsive polymer nanocapsules. Polymer, 2015, 70, 222-230.	3.8	45
58	Photo-triggered release in polyamide nanosized capsules. , 2014, , .		4
59	Synthesis and characterization of a new family of photoactive liquid crystalline polyesters based on Î±â€methylstilbene. Polymer International, 2014, 63, 315-326.	3.1	3
60	Acrylic microspheres as drugâ€delivery systems: synthesis through in situ microemulsion photoinduced polymerization and characterization. Polymer International, 2013, 62, 304-309.	3.1	4
61	Preparation and Characterization of Light-Sensitive Microcapsules Based on a Liquid Crystalline Polyester. Langmuir, 2013, 29, 1601-1608.	3.5	34
62	Concentration of ethanolic extracts from Sideritis ssp. L. by nanofiltration: Comparison of dead-end and cross-flow modes. Food and Bioproducts Processing, 2013, 91, 169-174.	3.6	36
63	Permeation Behavior of Polysulfone Membranes Modified by Fully Organic Layer-by-Layer Assemblies. Industrial & Engineering Chemistry Research, 2013, 52, 16406-16413.	3.7	16
64	11. Concentration of polyphenols by integrated membrane operations. , 2013, , 269-294.		1
65	The importance of orientation in proton transport of a polymer film based on an oriented self-organized columnar liquid-crystalline polyether. Materials Science and Engineering C, 2012, 32, 105-111.	7.3	15
66	Extraction of biologically active compounds from Sideritis ssp. L.. Food and Bioproducts Processing, 2011, 89, 273-280.	3.6	28
67	Concentration of biologically active compounds extracted from Sideritis ssp. L. by nanofiltration. Food and Bioproducts Processing, 2011, 89, 307-314.	3.6	64
68	Extraction of biologically active compounds from propolis and concentration of extract by nanofiltration. Journal of Membrane Science, 2010, 348, 124-130.	8.2	81
69	Light-Induced Switching of the Wettability of Novel Asymmetrical Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (al 14821-14829.	3.5	24
70	Synthesis, characterization, and photoresponsive behavior of new azobenzeneâ€containing polyethers. Journal of Polymer Science Part A, 2009, 47, 5426-5436.	2.3	18
71	Preparation of a new lightly cross-linked liquid crystalline polyamide by interfacial polymerization. Application to the obtainment of microcapsules with photo-triggered release. European Polymer Journal, 2009, 45, 1420-1432.	5.4	50
72	2. Photo-sensitive complexes based on azobenzene. , 0, , .		0

#	Article	IF	Citations
73	7. Developments in platinum anticancer drugs. , 0, , .		0
74	3. Complexes of biogenic amines in their role in living systems. , 0, , .		1
75	Capsules of Chitosan a tailor drug delivery system with controlled release for specific organs Â. , 0, , .		0