

Bartosz Tylkowski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4389007/publications.pdf>

Version: 2024-02-01

75
papers

1,291
citations

331259

21
h-index

377514

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 structure–biological activity relationship. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2022, 12, e1568.	6.2	38
2	Modeling and assessment of the transfer effectiveness in integrated bioreactor with membrane separation. <i>ChemistrySelect</i> , 2022, 7, 877-900.	0.7	0
3	Membrane-based processes in essential oils production. <i>ChemistrySelect</i> , 2022, .	0.7	0
4	Present trends in the encapsulation of anticancer drugs. <i>ChemistrySelect</i> , 2021, .	0.7	1
5	Alginate-based hydrogels for cancer therapy and research. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 424-436.	3.6	59
6	Milestones and current achievements in development of multifunctional bioscaffolds for medical application. <i>Bioactive Materials</i> , 2021, 6, 2412-2438.	8.6	52
7	Medical Plaster Enhancement by Coating with <i>Cistus L.</i> Extracts within a Chitosan Matrix: From Natural Complexity to Health Care Simplicity. <i>Materials</i> , 2021, 14, 582.	1.3	1
8	Ciprofloxacin and Graphene Oxide Combination—New Face of a Known Drug. <i>Materials</i> , 2020, 13, 4224.	1.3	9
9	Current Perspectives of the Applications of Polyphenols and Flavonoids in Cancer Therapy. <i>Molecules</i> , 2020, 25, 3342.	1.7	71
10	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.	1.3	10
11	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.	1.3	60
12	Contrasting Photo-Switching Rates in Azobenzene Derivatives: How the Nature of the Substituent Plays a Role. <i>Polymers</i> , 2020, 12, 1019.	2.0	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. <i>Processes</i> , 2020, 8, 530.	1.3	6
15	Preparation and Characterization of UV-Curable Acrylic Membranes Embedding Natural Antioxidants. <i>Polymers</i> , 2020, 12, 358.	2.0	3
16	Stability and anti-proliferative properties of biologically active compounds extracted from <i>Cistus L.</i> after sterilization treatments. <i>Scientific Reports</i> , 2020, 10, 6521.	1.6	16
17	Encapsulation for Cancer Therapy. <i>Molecules</i> , 2020, 25, 1605.	1.7	56
18	Photo-triggered capsules based on lanthanide-doped upconverting nanoparticles for medical applications. <i>Coordination Chemistry Reviews</i> , 2019, 398, 213013.	9.5	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.	2.4	30
20	Polymer Blends for Improved CO2 Capture Membranes. Polymers, 2019, 11, 1662.	2.0	7
21	Molecular Design of Microcapsule Shells for Visible Light-Triggered Release. Polymers, 2019, 11, 904.	2.0	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.	2.7	31
23	Ortho-substituted azobenzene: shedding light on new benefits. Pure and Applied Chemistry, 2019, 91, 1533-1546.	0.9	4
24	Light-Responsive Nanocapsule-Coated Polymer Films for Antimicrobial Active Packaging. Polymers, 2019, 11, 68.	2.0	42
25	Squeezing release mechanism of encapsulated compounds from photo-sensitive microcapsules. Applied Surface Science, 2019, 472, 143-149.	3.1	11
26	Computer analysis of potentiometric data of complexes formation in the solution. ChemistrySelect, 2018, 3, .	0.7	1
27	Ambient CO2 adsorption via membrane contactors – Value of assimilation from air as nature stomata. Journal of Membrane Science, 2018, 546, 41-49.	4.1	10
28	Developments in platinum anticancer drugs. ChemistrySelect, 2018, 3, .	0.7	4
29	Smart microcapsules for precise delivery systems. Functional Materials Letters, 2018, 11, 1850041.	0.7	4
30	The problem of fouling in submerged membrane bioreactors – Model validation and experimental evidence. ChemistrySelect, 2018, 3, .	0.7	2
31	Polysulfone biomimetic membrane for CO2 capture. Functional Materials Letters, 2018, 11, 1850046.	0.7	4
32	Essential oils as solvents and core materials for the preparation of photo-responsive polymer nanocapsules. Nano Research, 2018, 11, 2783-2795.	5.8	29
33	Power of light – Functional complexes based on azobenzene molecules. Coordination Chemistry Reviews, 2017, 351, 205-217.	9.5	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, .	0.7	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.	2.0	74
39	PVDF Membrane Morphologyâ€™Influence of Polymer Molecular Weight and Preparation Temperature. Polymers, 2017, 9, 718.	2.0	48
40	Modeling of Azobenzene-Based Compounds. ChemistrySelect, 2017, 2, .	0.7	9
41	Technological solutions for encapsulation. ChemistrySelect, 2017, 2, .	0.7	17
42	Polymer application for separation/filtration of biological active compounds. ChemistrySelect, 2017, 2, .	0.7	1
43	Concentration and Fractionation of Polyphenols by Membrane Operations. Current Pharmaceutical Design, 2017, 23, 231-241.	0.9	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, .	0.7	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.	0.4	13
50	Complexes of biogenic amines in their role in living systems. ChemistrySelect, 2016, 1, .	0.7	4
51	Silver CD-R based substrate as a SERS active material. Journal of the Iranian Chemical Society, 2016, 13, 841-845.	1.2	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 light-sensitive polymers with methylstilbene building blocks. <i>Polymer International</i> , 2015, 64, 935-941.	1.6	1
56	Supramolecular synthons and pattern recognition in adenine amides – synthesis, structures and thermal properties. <i>Supramolecular Chemistry</i> , 2015, 27, 571-583.	1.5	1
57	Photo-responsive polymer nanocapsules. <i>Polymer</i> , 2015, 70, 222-230.	1.8	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 methylstilbene. <i>Polymer International</i> , 2014, 63, 315-326.	1.6	3
60	Acrylic microspheres as drug delivery systems: synthesis through <i>in situ</i> microemulsion photoinduced polymerization and characterization. <i>Polymer International</i> , 2013, 62, 304-309.	1.6	4
61	Preparation and Characterization of Light-Sensitive Microcapsules Based on a Liquid Crystalline Polyester. <i>Langmuir</i> , 2013, 29, 1601-1608.	1.6	34
62	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.	1.8	36
63	Permeation Behavior of Polysulfone Membranes Modified by Fully Organic Layer-by-Layer Assemblies. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 16406-16413.	1.8	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. <i>Materials Science and Engineering C</i> , 2012, 32, 105-111.	3.8	15
66	Extraction of biologically active compounds from <i>Sideritis</i> ssp. L.. <i>Food and Bioproducts Processing</i> , 2011, 89, 273-280.	1.8	28
67	Concentration of biologically active compounds extracted from <i>Sideritis</i> ssp. L. by nanofiltration. <i>Food and Bioproducts Processing</i> , 2011, 89, 307-314.	1.8	64
68	Extraction of biologically active compounds from propolis and concentration of extract by nanofiltration. <i>Journal of Membrane Science</i> , 2010, 348, 124-130.	4.1	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 (also 14821-14829.	1.6	24
70	Synthesis, characterization, and photoresponsive behavior of new azobenzene-containing polyethers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5426-5436.	2.5	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. <i>European Polymer Journal</i> , 2009, 45, 1420-1432.	2.6	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