

Saptarshi Majumdar

List of Publications by Year in descending order

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papers

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687363
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all docs

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docs citations

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757
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of solvents in the depolymerization of lignin into value-added products: a review. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 11383-11416.	4.6	10
2	Effective Utilization of Coal Processing Waste: Separation of Low Ash Clean Coal from Washery Rejects by Hydrothermal Treatment. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2022, 43, 165-181.	5.0	12
3	Imaging Methods for the Assessment of a Complex Hydrogel as an Ocular Drug Delivery System for Glaucoma Treatment: Opportunities and Challenges in Preclinical Evaluation. <i>Molecular Pharmaceutics</i> , 2022, 19, 733-748.	4.6	10
4	Cross-linker-free sodium alginate and gelatin hydrogels: a multiscale biomaterial design framework. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3614-3623.	5.8	14
5	Synergistic effect of Ni-Co alloying on hydrodeoxygenation of guaiacol over Ni-Co/Al ₂ O ₃ catalysts. <i>Molecular Catalysis</i> , 2021, 499, 111290.	2.0	19
6	Oral Drug Delivery: Conventional to Long Acting New-Age Designs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 162, 23-42.	4.3	18
7	Gelatin nanofiber assisted zero order release of Amphotericin-B: A study with realistic drug loading for oral formulation. <i>Materials Today Communications</i> , 2020, 24, 100953.	1.9	11
8	A computational study on osmotic chemotaxis of a reactive Janusbot. <i>Physics of Fluids</i> , 2020, 32, 112018.	4.0	3
9	Compressed nanofibrous oral tablets: An ingenious way for controlled release kinetics of Amphotericin-B loaded gelatin nanofibers. <i>Nano Structures Nano Objects</i> , 2019, 19, 100367.	3.5	14
10	Thermocatalytic depolymerization of kraft lignin to guaiacols using HZSM-5 in alkaline water-THF co-solvent: a realistic approach. <i>Green Chemistry</i> , 2019, 21, 3864-3881.	9.0	32
11	Recycling of thermoplastic polystyrene waste using citrus peel extract for oil spill remediation. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47886.	2.6	11
12	Physicochemical Response of Gelatin in a Coulombic Soup of Monovalent Salt: A Molecular Simulation and Experimental Study. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1186-1194.	2.6	10
13	Hydrodeoxygenation of guaiacol over Mo, W and Ta modified supported nickel catalysts. <i>Catalysis Today</i> , 2019, 325, 117-130.	4.4	52
14	Piperine as a Placebo: Stability of Gelatin Capsules without a Cross-Linker. <i>ACS Applied Bio Materials</i> , 2018, 1, 1244-1253.	4.6	8
15	Sustained drug release from multi-layered sequentially crosslinked electrospun gelatin nanofiber mesh. <i>Materials Science and Engineering C</i> , 2017, 76, 782-786.	7.3	57
16	Natural fibre envelope for cross-linked and non-cross-linked hydrogel-drug conjugates: Innovative design for oral drug delivery. <i>Materials Discovery</i> , 2017, 8, 1-8.	3.3	14
17	Controlled Drug Release Formulation by Sequential Crosslinking of Multilayered Electrospun Gelatin Nanofiber Mat. <i>MRS Advances</i> , 2016, 1, 2107-2113.	0.9	8
18	Electrospun gelatin nanofibers as drug carrier: effect of crosslinking on sustained release. <i>Materials Today: Proceedings</i> , 2016, 3, 3484-3491.	1.8	21

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19	In-vitro release study of hydrophobic drug using electrospun cross-linked gelatin nanofibers. Biochemical Engineering Journal, 2016, 105, 481-488.	3.6	70
20	Fast and Slow Release: Synthesis of Gelatin Casted-Film Based Drug Delivery System. Materials and Manufacturing Processes, 2016, 31, 223-230.	4.7	14
21	Sodium alginate and gelatin hydrogels: Viscosity effect on hydrophobic drug release. Materials Letters, 2016, 164, 76-79.	2.6	57
22	Kriging Surrogate Based Multi-objective Optimization of Bulk Vinyl Acetate Polymerization with Branching. Materials and Manufacturing Processes, 2015, 30, 394-402.	4.7	50
23	Multiobjective optimization of long-chain branched propylene polymerization. Polymer Engineering and Science, 2015, 55, 1067-1076.	3.1	3
24	Soya nuggets "a potential carrier: swelling kinetics and release of hydrophobic drugs. RSC Advances, 2015, 5, 92184-92188.	3.6	4
25	Estimation of interfacial tension for immiscible and partially miscible liquid systems by Dissipative Particle Dynamics. Chemical Physics Letters, 2014, 600, 62-67.	2.6	20
26	Multi-Objective Optimization of Bulk Vinyl Acetate Polymerization with Branching. Materials and Manufacturing Processes, 2014, 29, 210-217.	4.7	28
27	Studies on the performance of the conducting polymer-based molecular release system. Polymer Engineering and Science, 2011, 51, 2001-2012.	3.1	3
28	Mathematical modeling for the ionic inclusion process inside conducting polymer-based thin films. Polymer Engineering and Science, 2008, 48, 2229-2237.	3.1	5
29	Extraction of clean coal from washery rejects and its effect on coking properties: an approach toward sustainable development. International Journal of Coal Preparation and Utilization, 0, , 1-23.	2.1	1