Saptarshi Majumdar

List of Publications by Year
in descending order

29	579	687363 13	610901 24
papers	citations	h-index	g-index

29	29	29	757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-vitro release study of hydrophobic drug using electrospun cross-linked gelatin nanofibers. Biochemical Engineering Journal, 2016, 105, 481-488.	3.6	70
2	Sodium alginate and gelatin hydrogels: Viscosity effect on hydrophobic drug release. Materials Letters, 2016, 164, 76-79.	2.6	57
3	Sustained drug release from multi-layered sequentially crosslinked electrospun gelatin nanofiber mesh. Materials Science and Engineering C, 2017, 76, 782-786.	7.3	57
4	Hydrodeoxygenation of guaiacol over Mo, W and Ta modified supported nickel catalysts. Catalysis Today, 2019, 325, 117-130.	4.4	52
5	Kriging Surrogate Based Multi-objective Optimization of Bulk Vinyl Acetate Polymerization with Branching. Materials and Manufacturing Processes, 2015, 30, 394-402.	4.7	50
6	Thermocatalytic depolymerization of kraft lignin to guaiacols using HZSM-5 in alkaline waterâ€“THF co-solvent: a realistic approach. Green Chemistry, 2019, 21, 3864-3881.	9.0	32
7	Multi-Objective Optimization of Bulk Vinyl Acetate Polymerization with Branching. Materials and Manufacturing Processes, 2014, 29, 210-217.	4.7	28
8	Electrospun gelatin nanofibers as drug carrier: effect of crosslinking on sustained release. Materials Today: Proceedings, 2016, 3, 3484-3491.	1.8	21
9	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
10	Synergistic effect of Ni-Co alloying on hydrodeoxygenation of guaiacol over Ni-Co/Al2O3 catalysts. Molecular Catalysis, 2021, 499, 111290.	2.0	19
11	Oral Drug Delivery: Conventional to Long Acting New-Age Designs. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 162, 23-42.	4.3	18
12	Fast and Slow Release: Synthesis of Gelatin Casted-Film Based Drug Delivery System. Materials and Manufacturing Processes, 2016, 31, 223-230.	4.7	14
13	Natural fibre envelope for cross-linked and non-cross-linked hydrogel-drug conjugates: Innovative design for oral drug delivery. Materials Discovery, 2017, 8, 1-8.	3.3	14
14	Compressed nanofibrous oral tablets: An ingenious way for controlled release kinetics of Amphotericin-B loaded gelatin nanofibers. Nano Structures Nano Objects, 2019, 19, 100367.	3.5	14
15	Cross-linker-free sodium alginate and gelatin hydrogels: a multiscale biomaterial design framework. Journal of Materials Chemistry B, 2022, 10, 3614-3623.	5.8	14
16	Effective Utilization of Coal Processing Waste: Separation of Low Ash Clean Coal from Washery Rejects by Hydrothermal Treatment. Mineral Processing and Extractive Metallurgy Review, 2022, 43, 165-181.	5.0	12
17	Recycling of thermoplastic polystyrene waste using citrus peel extract for oil spill remediation. Journal of Applied Polymer Science, 2019, 136, 47886.	2.6	11
18	Gelatin nanofiber assisted zero order release of Amphotericin-B: A study with realistic drug loading for oral formulation. Materials Today Communications, 2020, 24, 100953.	1.9	11

#	Article	IF	Citations
19	Physicochemical Response of Gelatin in a Coulombic Soup of Monovalent Salt: A Molecular Simulation and Experimental Study. Journal of Physical Chemistry B, 2019, 123, 1186-1194.	2.6	10
20	Effects of solvents in the depolymerization of lignin into value-added products: a review. Biomass Conversion and Biorefinery, 2023, 13, 11383-11416.	4.6	10
21	Imaging Methods for the Assessment of a Complex Hydrogel as an Ocular Drug Delivery System for Glaucoma Treatment: Opportunities and Challenges in Preclinical Evaluation. Molecular Pharmaceutics, 2022, 19, 733-748.	4.6	10
22	Controlled Drug Release Formulation by Sequential Crosslinking of Multilayered Electrospun Gelatin Nanofiber Mat. MRS Advances, 2016, 1, 2107-2113.	0.9	8
23	Piperine as a Placebo: Stability of Gelatin Capsules without a Cross-Linker. ACS Applied Bio Materials, 2018, 1, 1244-1253.	4.6	8
24	Mathematical modeling for the ionic inclusion process inside conducting polymerâ€based thinâ€films. Polymer Engineering and Science, 2008, 48, 2229-2237.	3.1	5
25	Soya nuggets â€“ a potential carrier: swelling kinetics and release of hydrophobic drugs. RSC Advances, 2015, 5, 92184-92188.	3.6	4
26	Studies on the performance of the conducting polymerâ€based molecular release system. Polymer Engineering and Science, 2011, 51, 2001-2012.	3.1	3
27	Multiobjective optimization of longâ€chain branched propylene polymerization. Polymer Engineering and Science, 2015, 55, 1067-1076.	3.1	3
28	A computational study on osmotic chemotaxis of a reactive Janusbot. Physics of Fluids, 2020, 32, 112018.	4.0	3
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