

Prabir K Patra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3792753/publications.pdf>

Version: 2024-02-01

37
papers

856
citations

687363

13
h-index

501196

28
g-index

37
all docs

37
docs citations

37
times ranked

1501
citing authors

#	ARTICLE	IF	CITATIONS
1	[2]Rotaxane as a switch for molecular electronic memory application: A molecular dynamics study. Journal of Molecular Graphics and Modelling, 2022, 114, 108163.	2.4	2
2	Rotaxane nanomachines in future molecular electronics. Nanoscale Advances, 2022, 4, 3418-3461.	4.6	9
3	Graphene nanofiber composites for enhanced neuronal differentiation of human mesenchymal stem cells. Nanomedicine, 2021, 16, 1963-1982.	3.3	12
4	Dewetting assisted self-assembly of graphene nanoparticles by diverse approaches. Bulletin of Materials Science, 2021, 44, 1.	1.7	1
5	Manipulating Extracellular Matrix Organizations and Parameters to Control Local Cancer Invasion. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2566-2576.	3.0	4
6	Detection of Cardiovascular CRP Protein Biomarker Using a Novel Nanofibrous Substrate. Biosensors, 2020, 10, 72.	4.7	10
7	Graphene Quantum Dot Oxidation Governs Noncovalent Biopolymer Adsorption. Scientific Reports, 2020, 10, 7074.	3.3	36
8	Dysregulation of BRD4 Function Underlies the Functional Abnormalities of MeCP2 Mutant Neurons. Molecular Cell, 2020, 79, 84-98.e9.	9.7	53
9	High-performance computing will assist experiments in recovery from COVID-19. Exploration of Medicine, 2020, 1, 355-358.	1.5	0
10	hESC-Derived Thalamic Organoids Form Reciprocal Projections When Fused with Cortical Organoids. Cell Stem Cell, 2019, 24, 487-497.e7.	11.1	305
11	Advances in three-dimensional bioprinting of bone: Progress and challenges. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 925-945.	2.7	59
12	Electroactive graphene composite scaffolds for cardiac tissue engineering. Journal of Biomedical Materials Research - Part A, 2018, 106, 2923-2933.	4.0	68
13	Graphene Quantum Dots: Synthesis and Applications. Methods in Enzymology, 2018, 609, 335-354.	1.0	41
14	A Computational Approach for Understanding the Interactions between Graphene Oxide and Nucleoside Diphosphate Kinase with Implications for Heart Failure. Nanomaterials, 2018, 8, 57.	4.1	6
15	Algal Cell Response to Pulsed Waved Stimulation and Its Application to Increase Algal Lipid Production. Scientific Reports, 2017, 7, 42003.	3.3	21
16	Nanoformulated water-soluble paclitaxel to enhance drug efficacy and reduce hemolysis side effect. Journal of Biomaterials Applications, 2017, 32, 66-73.	2.4	13
17	An experimental modeling of trinomial bioengineering- crp, rDNA, and transporter engineering within single cell factory for maximizing two-phase bioreduction. International Journal of Biological Macromolecules, 2017, 95, 818-825.	7.5	21
18	Bacteria as Bio-Template for 3D Carbon Nanotube Architectures. Scientific Reports, 2017, 7, 9855.	3.3	21

#	ARTICLE	IF	CITATIONS
19	Interactions between avidin and graphene for development of a biosensing platform. Biosensors and Bioelectronics, 2017, 89, 326-333.	10.1	12
20	Increasing vaccine production using pulsed ultrasound waves. PLoS ONE, 2017, 12, e0187048.	2.5	3
21	Human genome regulation. Bioengineered, 2016, 7, 57-59.	3.2	1
22	Cytogenetic evaluation of functionalized single-walled carbon nanotube in mice bone marrow cells. Environmental Toxicology, 2016, 31, 1091-1102.	4.0	19
23	Residue Specific and Chirality Dependent Interactions between Carbon Nanotubes and Flagellin. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 541-548.	3.0	2
24	Hybrid Electrodes by In-Situ Integration of Graphene and Carbon-Nanotubes in Polypyrrole for Supercapacitors. Scientific Reports, 2015, 5, 14445.	3.3	58
25	Magnetotaxis for nanofabrication. , 2014, , .		0
26	Modeling iced bio-bandage design for skin burns. , 2014, , .		1
27	Hydrolyzed Poly(acrylonitrile) Electrospun Ion-Exchange Fibers. Environmental Engineering Science, 2014, 31, 288-299.	1.6	16
28	Evaluation of Novel Design Strategies for Developing Zinc Finger Nucleases Tools for Treating Human Diseases. Biotechnology Research International, 2014, 2014, 1-27.	1.4	3
29	A magnetic micropump with tri-membrane fully differential structure. , 2014, , .		0
30	Polycaprolactone nanofibrous materials as an efficient dry eye test strip. , 2014, , .		0
31	Foam-Like Behavior in Compliant, Continuously Reinforced Nanocomposites. Advanced Functional Materials, 2013, 23, 3002-3007.	14.9	8
32	Energy harvesting using nana scale dual layers PVDF film for blood artery. , 2013, , .		6
33	Intravascular multi-layered glucose sensors for an artificial pancreas. , 2013, , .		0
34	Intermediate Frequency AC Signal Analysis for Bionanosensor. Journal of Nanotechnology, 2011, 2011, 1-9.	3.4	2
35	Calcium carbonate and ammonium polyphosphate-based flame retardant composition for polypropylene. Journal of Applied Polymer Science, 2011, 120, 1866-1873.	2.6	40
36	Patterned Polymer Nanofibers Based Biosensors. Materials Research Society Symposia Proceedings, 2011, 1358, 30701.	0.1	3

#	ARTICLE	IF	CITATIONS
37	Ion Exchange Functional Nanofibers. Materials Research Society Symposia Proceedings, 2009, 1240, 1.	0.1	0