

Abhijeet Patra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7382889/publications.pdf>

Version: 2024-02-01

21
papers

1,061
citations

840776

11
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

2273
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust resistive memory devices using solution-processable metal-coordinated azoAromatics. Nature Materials, 2017, 16, 1216-1224.	27.5	244
2	Investigating the Role of Copper Oxide in Electrochemical CO ₂ Reduction in Real Time. ACS Applied Materials & Interfaces, 2018, 10, 8574-8584.	8.0	207
3	Surface energy and wettability of van der Waals structures. Nanoscale, 2016, 8, 5764-5770.	5.6	167
4	Critical Review of Volatile Organic Compound Analysis in Breath and In Vitro Cell Culture for Detection of Lung Cancer. Metabolites, 2019, 9, 52.	2.9	112
5	Decision trees within a molecular memristor. Nature, 2021, 597, 51-56.	27.8	78
6	Detection of Lung Cancer: Concomitant Volatile Organic Compounds and Metabolomic Profiling of Six Cancer Cell Lines of Different Histological Origins. ACS Omega, 2018, 3, 5131-5140.	3.5	56
7	Componentâ€Specific Analysis of Plasma Protein Corona Formation on Gold Nanoparticles Using Multiplexed Surface Plasmon Resonance. Small, 2016, 12, 1174-1182.	10.0	49
8	The effect of oxygen vacancies on water wettability of transition metal based SrTiO ₃ and rare-earth based Lu ₂ O ₃ . RSC Advances, 2016, 6, 109234-109240.	3.6	40
9	Intrinsic hydrophilic nature of epitaxial thin-film of rare-earth oxide grown by pulsed laser deposition. Nanoscale, 2018, 10, 3356-3361.	5.6	36
10	Correlation of nanoscale behaviour of forces and macroscale surface wettability. Nanoscale, 2016, 8, 15597-15603.	5.6	23
11	In vitro controlled release of cisplatin from gold-carbon nanobottles via cleavable linkages. International Journal of Nanomedicine, 2015, 10, 7425.	6.7	16
12	Identification of Biofilm Inhibitors by Screening Combinatorial Libraries of Metal Oxide Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 12510-12517.	8.0	9
13	Magnetic Modes in Rare Earth Perovskites: A Magnetic-Field-Dependent Inelastic Light Scattering study. Scientific Reports, 2016, 6, 36859.	3.3	8
14	Reconstructing human skin equivalents on fibrin-based dermal matrix. Materials Today, 2016, 19, 178-179.	14.2	5
15	Size-selective Pt siderophores based on redox active azo-aromatic ligands. Chemical Science, 2020, 11, 9226-9236.	7.4	4
16	Magneto-Optical Study of Defect Induced Sharp Photoluminescence in LaAlO ₃ and SrTiO ₃ . Scientific Reports, 2016, 6, 33145.	3.3	3
17	Origin and Quenching of Novel ultraviolet and blue emission in NdGaO ₃ : Concept of Super-Hydrogenic Dopants. Scientific Reports, 2016, 6, 36352.	3.3	2
18	Using Extraordinary Optical Transmission to Quantify Cardiac Biomarkers in Human Serum. Journal of Visualized Experiments, 2017, , .	0.3	1

#	ARTICLE	IF	CITATIONS
19	Quantifying Interactions Between Water and Surfaces. Springer Theses, 2017, , 27-40.	0.1	0
20	Quantifying Interactions Between Serum Proteins and Gold Nanoparticles. Springer Theses, 2017, , 69-90.	0.1	0
21	Quantifying Interactions Between Lipids and Surfaces. Springer Theses, 2017, , 41-67.	0.1	0