

# 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	Decision trees within a molecular memristor. <i>Nature</i> , 2021, 597, 51-56.	27.8	78
2	Size-selective Pt siderophores based on redox active azo-aromatic ligands. <i>Chemical Science</i> , 2020, 11, 9226-9236.	7.4	4
3	Critical Review of Volatile Organic Compound Analysis in Breath and In Vitro Cell Culture for Detection of Lung Cancer. <i>Metabolites</i> , 2019, 9, 52.	2.9	112
4	Investigating the Role of Copper Oxide in Electrochemical CO <sub>2</sub> Reduction in Real Time. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8574-8584.	8.0	207
5	Intrinsic hydrophilic nature of epitaxial thin-film of rare-earth oxide grown by pulsed laser deposition. <i>Nanoscale</i> , 2018, 10, 3356-3361.	5.6	36
6	Identification of Biofilm Inhibitors by Screening Combinatorial Libraries of Metal Oxide Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12510-12517.	8.0	9
7	Detection of Lung Cancer: Concomitant Volatile Organic Compounds and Metabolomic Profiling of Six Cancer Cell Lines of Different Histological Origins. <i>ACS Omega</i> , 2018, 3, 5131-5140.	3.5	56
8	Quantifying Interactions Between Water and Surfaces. <i>Springer Theses</i> , 2017, , 27-40.	0.1	0
9	Quantifying Interactions Between Serum Proteins and Gold Nanoparticles. <i>Springer Theses</i> , 2017, , 69-90.	0.1	0
10	Quantifying Interactions Between Lipids and Surfaces. <i>Springer Theses</i> , 2017, , 41-67.	0.1	0
11	Robust resistive memory devices using solution-processable metal-coordinated azo-Aromatics. <i>Nature Materials</i> , 2017, 16, 1216-1224.	27.5	244
12	Using Extraordinary Optical Transmission to Quantify Cardiac Biomarkers in Human Serum. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	1
13	Component-Specific Analysis of Plasma Protein Corona Formation on Gold Nanoparticles Using Multiplexed Surface Plasmon Resonance. <i>Small</i> , 2016, 12, 1174-1182.	10.0	49
14	Origin and Quenching of Novel ultraviolet and blue emission in NdGaO <sub>3</sub> : Concept of Super-Hydrogenic Dopants. <i>Scientific Reports</i> , 2016, 6, 36352.	3.3	2
15	Magnetic Modes in Rare Earth Perovskites: A Magnetic-Field-Dependent Inelastic Light Scattering study. <i>Scientific Reports</i> , 2016, 6, 36859.	3.3	8
16	Correlation of nanoscale behaviour of forces and macroscale surface wettability. <i>Nanoscale</i> , 2016, 8, 15597-15603.	5.6	23
17	The effect of oxygen vacancies on water wettability of transition metal based SrTiO <sub>3</sub> and rare-earth based Lu <sub>2</sub> O <sub>3</sub> . <i>RSC Advances</i> , 2016, 6, 109234-109240.	3.6	40
18	Magneto-Optical Study of Defect Induced Sharp Photoluminescence in LaAlO <sub>3</sub> and SrTiO <sub>3</sub> . <i>Scientific Reports</i> , 2016, 6, 33145.	3.3	3

#	ARTICLE	IF	CITATIONS
19	Surface energy and wettability of van der Waals structures. <i>Nanoscale</i> , 2016, 8, 5764-5770.	5.6	167
20	Reconstructing human skin equivalents on fibrin-based dermal matrix. <i>Materials Today</i> , 2016, 19, 178-179.	14.2	5
21	In vitro controlled release of cisplatin from gold-carbon nanobottles via cleavable linkages. <i>International Journal of Nanomedicine</i> , 2015, 10, 7425.	6.7	16