

# Bichitra Nanda Sahoo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6947740/publications.pdf>

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14  
papers

630  
citations

759055

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1058333

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docs citations

14  
times ranked

833  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in fabrication and characterisation of hierarchical biomimetic superhydrophobic structures. RSC Advances, 2014, 4, 22053.	1.7	163
2	Photoluminescent carbon soot particles derived from controlled combustion of camphor for superhydrophobic applications. RSC Advances, 2014, 4, 11331.	1.7	99
3	An experimental design for the investigation of water repellent property of candle soot particles. Materials Chemistry and Physics, 2014, 148, 134-142.	2.0	72
4	Superhydrophobic, Transparent, and Stretchable 3D Hierarchical Wrinkled Film-Based Sensors for Wearable Applications. Advanced Materials Technologies, 2019, 4, 1900230.	3.0	60
5	Facile synthesis of nano cauliflower and nano broccoli like hierarchical superhydrophobic composite coating using PVDF/carbon soot particles via gelation technique. Journal of Colloid and Interface Science, 2014, 436, 111-121.	5.0	48
6	PDMS/camphor soot composite coating: towards a self-healing and a self-cleaning superhydrophobic surface. RSC Advances, 2017, 7, 15027-15040.	1.7	43
7	Thermally Triggered Transition of Superhydrophobic Characteristics of Micro- and Nanotextured Multiscale Rough Surfaces. Journal of Physical Chemistry C, 2015, 119, 14201-14213.	1.5	27
8	A nanocellular PVDF-graphite water-repellent composite coating. RSC Advances, 2015, 5, 6743-6751.	1.7	22
9	Development of Dual-Phobic Surfaces: Superamphiphobicity in Air and Oleophobicity Underwater. ACS Sustainable Chemistry and Engineering, 2017, 5, 6716-6726.	3.2	21
10	Chemical and Physical Pathways for Fabricating Flexible Superamphiphobic Surfaces with High Transparency. Coatings, 2018, 8, 47.	1.2	21
11	Facile method for the preparation of high-performance photodetectors with a GQDs/perovskite bilayer heterostructure. Organic Electronics, 2020, 76, 105444.	1.4	21
12	Controlled fabrication of non-fluoro polymer composite film with hierarchically nano structured fibers. Progress in Organic Coatings, 2014, 77, 904-907.	1.9	19
13	Effect of TiO <sub>2</sub> Powder on the Surface Morphology of Micro/Nanoporous Structured Hydrophobic Fluoropolymer Based Composite Material. Journal of Polymers, 2013, 2013, 1-4.	0.9	12
14	Superhydrophobic silicone-coating on carbon foam for efficient oil adsorption. Materials Letters, 2022, 311, 131525.	1.3	2