

Sumedh P Surwade

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

4,431
citations

394421

19
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

8502
citing authors

#	ARTICLE	IF	CITATIONS
1	Water desalination using nanoporous single-layer graphene. <i>Nature Nanotechnology</i> , 2015, 10, 459-464.	31.5	1,372
2	All-Organic Vapor Sensor Using Inkjet-Printed Reduced Graphene Oxide. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2154-2157.	13.8	834
3	Effect of airborne contaminants on the wettability of supported graphene and graphite. <i>Nature Materials</i> , 2013, 12, 925-931.	27.5	712
4	Graphene Nucleation Density on Copper: Fundamental Role of Background Pressure. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18919-18926.	3.1	179
5	Flexible, All-Organic Chemiresistor for Detecting Chemically Aggressive Vapors. <i>Journal of the American Chemical Society</i> , 2012, 134, 4553-4556.	13.7	158
6	Absolute Molecular Weight of Polyaniline. <i>Journal of the American Chemical Society</i> , 2005, 127, 16770-16771.	13.7	145
7	Oxidative Template for Conducting Polymer Nanoclips. <i>Journal of the American Chemical Society</i> , 2010, 132, 13158-13159.	13.7	132
8	Nanoscale Growth and Patterning of Inorganic Oxides Using DNA Nanostructure Templates. <i>Journal of the American Chemical Society</i> , 2013, 135, 6778-6781.	13.7	97
9	Catalyst-Free Synthesis of Oligoanilines and Polyaniline Nanofibers Using H_2O_2 . <i>Journal of the American Chemical Society</i> , 2009, 131, 12528-12529.	13.7	93
10	Molecular Lithography through DNA-Mediated Etching and Masking of SiO_2 . <i>Journal of the American Chemical Society</i> , 2011, 133, 11868-11871.	13.7	90
11	Stability of DNA Origami Nanostructure under Diverse Chemical Environments. <i>Chemistry of Materials</i> , 2014, 26, 5265-5273.	6.7	89
12	DNA nanostructure meets nanofabrication. <i>Chemical Society Reviews</i> , 2013, 42, 2488-2496.	38.1	88
13	Oligoaniline intermediates in the aniline-peroxydisulfate system. <i>Synthetic Metals</i> , 2009, 159, 445-455.	3.9	86
14	Origin of Bulk Nanoscale Morphology in Conducting Polymers. <i>Macromolecules</i> , 2009, 42, 1792-1795.	4.8	59
15	Thermal Oxidation and Unwrinking of Chemical Vapor Deposition-Grown Graphene. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20600-20606.	3.1	58
16	Photochemical oxidation of CVD-grown single layer graphene. <i>Nanotechnology</i> , 2012, 23, 355703.	2.6	52
17	Ultrafast Electron Transfer Kinetics of Graphene Grown by Chemical Vapor Deposition. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15134-15137.	13.8	49
18	Chemical Vapor Detection Using Parent Polythiophene Nanofibers. <i>Macromolecules</i> , 2009, 42, 5414-5415.	4.8	33

#	ARTICLE	IF	CITATIONS
19	Mechanistic Study of the Nanoscale Negative-Tone Pattern Transfer from DNA Nanostructures to SiO ₂ . Chemistry of Materials, 2015, 27, 1692-1698.	6.7	25
20	Nitrogen dioxide vapor detection using poly-o-toluidine. Sensors and Actuators B: Chemical, 2009, 143, 454-457.	7.8	18
21	Chromism and molecular weight of polyaniline derivatives. Synthetic Metals, 2009, 159, 2153-2156.	3.9	13
22	Parent Polythiophene Nanofibers. Chemistry Letters, 2008, 37, 526-527.	1.3	11
23	Green chemistry synthesis of nanostructured poly(2,5-dimethoxyaniline). Green Chemistry, 2010, 12, 585.	9.0	11
24	Sensing performance of electrically conductive fabrics and suspension lines for parachute systems. Journal of Intelligent Material Systems and Structures, 2012, 23, 1969-1986.	2.5	6