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	Ultrafast Electron Transfer Kinetics of Graphene Grown by Chemical Vapor Deposition. Angewandte Chemie - International Edition, 2015, 54, 15134-15137.	13.8	49
2	Mechanistic Study of the Nanoscale Negative-Tone Pattern Transfer from DNA Nanostructures to SiO₂. Chemistry of Materials, 2015, 27, 1692-1698.	6.7	25
3	Water desalination using nanoporous single-layer graphene. Nature Nanotechnology, 2015, 10, 459-464.	31.5	1,372
4	Stability of DNA Origami Nanostructure under Diverse Chemical Environments. Chemistry of Materials, 2014, 26, 5265-5273.	6.7	89
5	Effect of airborne contaminants on the wettability of supported graphene and graphite. Nature Materials, 2013, 12, 925-931.	27.5	712
6	Graphene Nucleation Density on Copper: Fundamental Role of Background Pressure. Journal of Physical Chemistry C, 2013, 117, 18919-18926.	3.1	179
7	DNA nanostructure meets nanofabrication. Chemical Society Reviews, 2013, 42, 2488-2496.	38.1	88
8	Nanoscale Growth and Patterning of Inorganic Oxides Using DNA Nanostructure Templates. Journal of the American Chemical Society, 2013, 135, 6778-6781.	13.7	97
9	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
10	Flexible, All-Organic Chemiresistor for Detecting Chemically Aggressive Vapors. Journal of the American Chemical Society, 2012, 134, 4553-4556.	13.7	158
11	Thermal Oxidation and Unwrinkling of Chemical Vapor Deposition-Grown Graphene. Journal of Physical Chemistry C, 2012, 116, 20600-20606.	3.1	58
12	Photochemical oxidation of CVD-grown single layer graphene. Nanotechnology, 2012, 23, 355703.	2.6	52
13	Molecular Lithography through DNA-Mediated Etching and Masking of SiO₂. Journal of the American Chemical Society, 2011, 133, 11868-11871.	13.7	90
14	Allâ€Organic Vapor Sensor Using Inkjetâ€Printed Reduced Graphene Oxide. Angewandte Chemie - International Edition, 2010, 49, 2154-2157.	13.8	834
15	Oxidative Template for Conducting Polymer Nanoclips. Journal of the American Chemical Society, 2010, 132, 13158-13159.	13.7	132
16	Green chemistry synthesis of nanostructured poly(2,5-dimethoxyaniline). Green Chemistry, 2010, 12, 585.	9.0	11
17	Nitrogen dioxide vapor detection using poly-o-toluidine. Sensors and Actuators B: Chemical, 2009, 143, 454-457.	7.8	18
18	Catalyst-Free Synthesis of Oligoanilines and Polyaniline Nanofibers Using H₂O₂. Journal of the American Chemical Society, 2009, 131, 12528-12529.	13.7	93

#	Article	IF	Citations
19	Oligoaniline intermediates in the aniline-peroxydisulfate system. Synthetic Metals, 2009, 159, 445-455.	3.9	86
20	Chromism and molecular weight of polyaniline derivatives. Synthetic Metals, 2009, 159, 2153-2156.	3.9	13
21	Chemical Vapor Detection Using Parent Polythiophene Nanofibers. Macromolecules, 2009, 42, 5414-5415.	4.8	33
22	Origin of Bulk Nanoscale Morphology in Conducting Polymers. Macromolecules, 2009, 42, 1792-1795.	4.8	59
23	Parent Polythiophene Nanofibers. Chemistry Letters, 2008, 37, 526-527.	1.3	11
24	Absolute Molecular Weight of Polyaniline. Journal of the American Chemical Society, 2005, 127, 16770-16771.	13.7	145