

Santanu Sarkar

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,151
citations

516215

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19
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23
docs citations

23
times ranked

1730
citing authors

#	ARTICLE	IF	CITATIONS
1	Diels-Alder Chemistry of Graphite and Graphene: Graphene as Diene and Dienophile. <i>Journal of the American Chemical Society</i> , 2011, 133, 3324-3327.	6.6	253
2	Effect of Covalent Chemistry on the Electronic Structure and Properties of Carbon Nanotubes and Graphene. <i>Accounts of Chemical Research</i> , 2013, 46, 65-76.	7.6	161
3	Chemistry at the Dirac Point: Diels-Alder Reactivity of Graphene. <i>Accounts of Chemical Research</i> , 2012, 45, 673-682.	7.6	158
4	Organometallic chemistry of extended periodic π -electron systems: hexahapto-chromium complexes of graphene and single-walled carbon nanotubes. <i>Chemical Science</i> , 2011, 2, 1326.	3.7	96
5	Organometallic Hexahapto Functionalization of Single Layer Graphene as a Route to High Mobility Graphene Devices. <i>Advanced Materials</i> , 2013, 25, 1131-1136.	11.1	59
6	Covalent chemistry in graphene electronics. <i>Materials Today</i> , 2012, 15, 276-285.	8.3	58
7	Metals on Graphene and Carbon Nanotube Surfaces: From Mobile Atoms to Atomtronics to Bulk Metals to Clusters and Catalysts. <i>Chemistry of Materials</i> , 2014, 26, 184-195.	3.2	57
8	Single-Walled Carbon Nanotube-Poly(porphyrin) Hybrid for Volatile Organic Compounds Detection. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1602-1610.	1.5	51
9	Effect of Atomic Interconnects on Percolation in Single-Walled Carbon Nanotube Thin Film Networks. <i>Nano Letters</i> , 2014, 14, 3930-3937.	4.5	42
10	Hexahapto-Metal Complexes of Single-Walled Carbon Nanotubes. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1001-1019.	1.1	35
11	Reversible Grafting of β -Naphthylmethyl Radicals to Epitaxial Graphene. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4901-4904.	7.2	32
12	Effect of first row transition metals on the conductivity of semiconducting single-walled carbon nanotube networks. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	28
13	Solid-State Bis-hexahapto-metal complexation of single-walled carbon nanotubes. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 607-610.	0.9	26
14	Optical and electronic properties of thin films and solutions of functionalized forms of graphene and related carbon materials. <i>Carbon</i> , 2014, 72, 82-88.	5.4	23
15	Effect of Group 6 Transition Metal Coordination on the Conductivity of Graphite Nanoplatelets. <i>Materials Letters</i> , 2012, 80, 171-174.	1.3	20
16	Hexahapto-lanthanide interconnects between the conjugated surfaces of single-walled carbon nanotubes. <i>Dalton Transactions</i> , 2014, 43, 7379-7382.	1.6	14
17	Stereochemical effect of covalent chemistry on the electronic structure and properties of the carbon allotropes and graphene surfaces. <i>Synthetic Metals</i> , 2015, 210, 80-84.	2.1	11
18	Fluorophore and protein conjugated Diels-Alder functionalized CVD graphene layers. <i>Optical Materials Express</i> , 2016, 6, 3242.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Organometallic Chemistry of Carbon Nanotubes and Graphene. , 2014, , 201-224.		3
20	Chemistry at the Dirac Point of Graphene: Diels-Alder Approach to Reversible Band Gap Engineering and High Mobility Graphene Devices. Materials Research Society Symposia Proceedings, 2014, 1658, 53.	0.1	0
21	Electrochemical Functionalization in Wavefunction Engineering of Epitaxial Graphene. Materials Research Society Symposia Proceedings, 2014, 1658, 64.	0.1	0