Santanu Sarkar

List of Publications by Year
in descending order

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21	1,151	516710	794594
papers	citations	16 h-index	19 g-index

23	23	23	1730
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dielsâ˜Alder Chemistry of Graphite and Graphene: Graphene as Diene and Dienophile. Journal of the American Chemical Society, 2011, 133, 3324-3327.	13.7	253
2	Effect of Covalent Chemistry on the Electronic Structure and Properties of Carbon Nanotubes and Graphene. Accounts of Chemical Research, 2013, 46, 65-76.	15.6	161
3	Chemistry at the Dirac Point: Dielsâ€“Alder Reactivity of Graphene. Accounts of Chemical Research, 2012, 45, 673-682.	15.6	158
4	Organometallic chemistry of extended periodic Ï€-electron systems: hexahapto-chromium complexes of graphene and single-walled carbon nanotubes. Chemical Science, 2011, 2, 1326.	7.4	96
5	Organometallic Hexahapto Functionalization of Single Layer Graphene as a Route to High Mobility Graphene Devices. Advanced Materials, 2013, 25, 1131-1136.	21.0	59
6	Covalent chemistry in graphene electronics. Materials Today, 2012, 15, 276-285.	14.2	58
7	Metals on Graphene and Carbon Nanotube Surfaces: From Mobile Atoms to Atomtronics to Bulk Metals to Clusters and Catalysts. Chemistry of Materials, 2014, 26, 184-195.	6.7	57
8	Single-Walled Carbon Nanotubeâ€“Poly(porphyrin) Hybrid for Volatile Organic Compounds Detection. Journal of Physical Chemistry C, 2014, 118, 1602-1610.	3.1	51
9	Effect of Atomic Interconnects on Percolation in Single-Walled Carbon Nanotube Thin Film Networks. Nano Letters, 2014, 14, 3930-3937.	9.1	42
10	Hexahaptoâ€Metal Complexes of Singleâ€Walled Carbon Nanotubes. Macromolecular Chemistry and Physics, 2012, 213, 1001-1019.	2.2	35
11	Reversible Grafting of Î±â€Naphthylmethyl Radicals to Epitaxial Graphene. Angewandte Chemie - International Edition, 2012, 51, 4901-4904.	13.8	32
12	Effect of first row transition metals on the conductivity of semiconducting single-walled carbon nanotube networks. Applied Physics Letters, 2012, 100, .	3.3	28
13	Solidâ€state Bisâ€hexahaptoâ€metal complexation of singleâ€walled carbon nanotubes. Journal of Physical Organic Chemistry, 2012, 25, 607-610.	1.9	26
14	Optical and electronic properties of thin films and solutions of functionalized forms of graphene and related carbon materials. Carbon, 2014, 72, 82-88.	10.3	23
15	Effect of Group 6 Transition Metal Coordination on the Conductivity of Graphite Nanoplatelets. Materials Letters, 2012, 80, 171-174.	2.6	20
16	Hexahapto-lanthanide interconnects between the conjugated surfaces of single-walled carbon nanotubes. Dalton Transactions, 2014, 43, 7379-7382.	3.3	14
17	Stereochemical effect of covalent chemistry on the electronic structure and properties of the carbon allotropes and graphene surfaces. Synthetic Metals, 2015, 210, 80-84.	3.9	11
18	Fluorophore and protein conjugated Diels-Alder functionalized CVD graphene layers. Optical Materials Express, 2016, 6, 3242.	3.0	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