

Santanu Sarkar

List of Publications by Year in descending order

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21
papers

1,151
citations

516710
16
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794594
19
g-index

23
all docs

23
docs citations

23
times ranked

1730
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorophore and protein conjugated Diels-Alder functionalized CVD graphene layers. Optical Materials Express, 2016, 6, 3242.	3.0	8
2	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
3	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
4	Electrochemical Functionalization in Wavefunction Engineering of Epitaxial Graphene. Materials Research Society Symposia Proceedings, 2014, 1658, 64.	0.1	0
5	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
6	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
7	Single-Walled Carbon Nanotube-Poly(porphyrin) Hybrid for Volatile Organic Compounds Detection. Journal of Physical Chemistry C, 2014, 118, 1602-1610.	3.1	51
8	Hexahapto-lanthanide interconnects between the conjugated surfaces of single-walled carbon nanotubes. Dalton Transactions, 2014, 43, 7379-7382.	3.3	14
9	Organometallic Chemistry of Carbon Nanotubes and Graphene. , 2014, , 201-224.		3
10	Effect of Atomic Interconnects on Percolation in Single-Walled Carbon Nanotube Thin Film Networks. Nano Letters, 2014, 14, 3930-3937.	9.1	42
11	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
12	Organometallic Hexahapto Functionalization of Single Layer Graphene as a Route to High Mobility Graphene Devices. Advanced Materials, 2013, 25, 1131-1136.	21.0	59
13	Effect of first row transition metals on the conductivity of semiconducting single-walled carbon nanotube networks. Applied Physics Letters, 2012, 100, .	3.3	28
14	Covalent chemistry in graphene electronics. Materials Today, 2012, 15, 276-285.	14.2	58
15	Solid-State Bis-hexahapto-metal complexation of single-walled carbon nanotubes. Journal of Physical Organic Chemistry, 2012, 25, 607-610.	1.9	26
16	Hexahapto-Metal Complexes of Single-Walled Carbon Nanotubes. Macromolecular Chemistry and Physics, 2012, 213, 1001-1019.	2.2	35
17	Chemistry at the Dirac Point: Diels-Alder Reactivity of Graphene. Accounts of Chemical Research, 2012, 45, 673-682.	15.6	158
18	Reversible Grafting of 1-Naphthylmethyl Radicals to Epitaxial Graphene. Angewandte Chemie - International Edition, 2012, 51, 4901-4904.	13.8	32

#	ARTICLE	IF	CITATIONS
19	Effect of Group 6 Transition Metal Coordination on the Conductivity of Graphite Nanoplatelets. Materials Letters, 2012, 80, 171-174.	2.6	20
20	Organometallic chemistry of extended periodic π -electron systems: hexahapto-chromium complexes of graphene and single-walled carbon nanotubes. Chemical Science, 2011, 2, 1326.	7.4	96
21	Diels-Alder Chemistry of Graphite and Graphene: Graphene as Diene and Dienophile. Journal of the American Chemical Society, 2011, 133, 3324-3327.	13.7	253