Kai-Ge Zhou

List of Publications by Year
in descending order

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27 papers	3,605 citations	394421 19 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	7063 citing authors

#	Article	IF	Citations
1	Recent progress on the smart membranes based on two-dimensional materials. Chinese Chemical Letters, 2022, 33, 2832-2844.	9.0	16
2	Advanced membranes with responsive two-dimensional nanochannels. , 2021, 1, 100012.		8
3	Electrically controlled water permeation through graphene oxide membranes. Nature, 2018, 559, 236-240.	27.8	263
4	Lifting the mist of flatland: The recent progress in the characterizations of two-dimensional materials. Progress in Crystal Growth and Characterization of Materials, 2017, 63, 72-93.	4.0	12
5	Self-catalytic membrane photo-reactor made of carbon nitride nanosheets. Journal of Materials Chemistry A, 2016, 4, 11666-11671.	10.3	47
6	Partial Oxidized Arsenene: Emerging Tunable Direct Bandgap Semiconductor. Scientific Reports, 2016, 6, 24981.	3.3	33
7	Synthesis and characterization of composite membranes made of graphene and polymers of intrinsic microporosity. Carbon, 2016, 102, 357-366.	10.3	34
8	Optical Materials: Size-Dependent Nonlinear Optical Properties of Atomically Thin Transition Metal Dichalcogenide Nanosheets (Small 6/2015). Small, 2015, 11, 634-634.	10.0	4
9	Lighten the Olympia of the Flatland: Probing and Manipulating the Photonic Properties of 2D Transitionâ€Metal Dichalcogenides. Small, 2015, 11, 3206-3220.	10.0	15
10	Size-Dependent Nonlinear Optical Properties of Atomically Thin Transition Metal Dichalcogenide Nanosheets. Small, 2015, 11, 694-701.	10.0	160
11	Raman Modes of MoS₂ Used as Fingerprint of van der Waals Interactions in 2-D Crystal-Based Heterostructures. ACS Nano, 2014, 8, 9914-9924.	14.6	201
12	Graphene in Light: Design, Synthesis and Applications of Photoâ€active Graphene and Grapheneâ€Like Materials. Small, 2013, 9, 1266-1283.	10.0	129
13	Freeâ€Radicalâ€Promoted Conversion of Graphite Oxide into Chemically Modified Graphene. Chemistry - A European Journal, 2013, 19, 5948-5954.	3.3	19
14	Conformationâ€Controlled Electron Transport in Singleâ€Molecule Junctions Containing Oligo(phenylene ethynylene) Derivatives. Chemistry - an Asian Journal, 2013, 8, 1901-1909.	3.3	24
15	Monitoring the Layer-by-Layer Self-Assembly of Graphene and Graphene Oxide by Spectroscopic Ellipsometry. Journal of Nanoscience and Nanotechnology, 2012, 12, 508-512.	0.9	8
16	Tuning the magnetic and transport properties of metal adsorbed graphene by co-adsorption with 1,2-dichlorobenzene. Physical Chemistry Chemical Physics, 2012, 14, 11626.	2.8	20
17	Can azulene-like molecules function as substitution-free molecular rectifiers?. Physical Chemistry Chemical Physics, 2011, 13, 15882.	2.8	25
18	Photoactive graphene sheets prepared by â€œclickâ€•chemistry. Chemical Communications, 2011, 47, 5747.	4.1	108

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19	A Mixedâ€Solvent Strategy for Efficient Exfoliation of Inorganic Graphene Analogues. Angewandte Chemie - International Edition, 2011, 50, 10839-10842.	13.8	801
20	A Coreâ€Shell Strategy for Constructing a Singleâ€Molecule Junction. Chemistry - A European Journal, 2011, 17, 8414-8423.	3.3	18
21	Nanomolar detection of dopamine in the presence of ascorbic acid at Î²-cyclodextrin/graphene nanocomposite platform. Electrochemistry Communications, 2010, 12, 557-560.	4.7	186
22	Effects of dopant and defect on the adsorption of carbon monoxide on graphitic boron nitride sheet: A first-principles study. Chemical Physics Letters, 2010, 484, 266-270.	2.6	87
23	Effects of Stone-Wales Defect on the Interactions Between NH₃, NO₂ and Graphene. Journal of Nanoscience and Nanotechnology, 2010, 10, 7347-7350.	0.9	23
24	Tuning the electronic structure and transport properties of graphene by noncovalent functionalization: effects of organic donor, acceptor and metal atoms. Nanotechnology, 2010, 21, 065201.	2.6	120
25	High and Balanced Hole and Electron Mobilities from Ambipolar Thin-Film Transistors Based on Nitrogen-Containing Oligoacences. Journal of the American Chemical Society, 2010, 132, 16349-16351.	13.7	215
26	Improving gas sensing properties of graphene by introducing dopants and defects: a first-principles study. Nanotechnology, 2009, 20, 185504.	2.6	913
27	FIRST PRINCIPLES STUDY OF CYTOSINE ADSORPTION ON GRAPHENE. International Journal of Nanoscience, 2009, 08, 5-8.	0.7	5