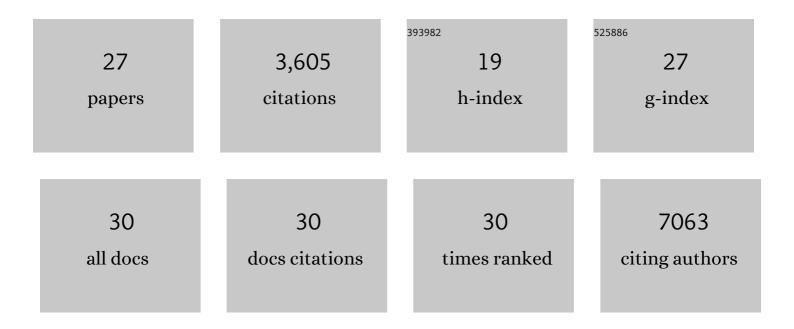
Kai-Ge Zhou

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Improving gas sensing properties of graphene by introducing dopants and defects: a first-principles study. Nanotechnology, 2009, 20, 185504.	1.3	913
2	A Mixedâ€Solvent Strategy for Efficient Exfoliation of Inorganic Graphene Analogues. Angewandte Chemie - International Edition, 2011, 50, 10839-10842.	7.2	801
3	Electrically controlled water permeation through graphene oxide membranes. Nature, 2018, 559, 236-240.	13.7	263
4	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.	6.6	215
5	Raman Modes of MoS ₂ Used as Fingerprint of van der Waals Interactions in 2-D Crystal-Based Heterostructures. ACS Nano, 2014, 8, 9914-9924.	7.3	201
6	Nanomolar detection of dopamine in the presence of ascorbic acid at β-cyclodextrin/graphene nanocomposite platform. Electrochemistry Communications, 2010, 12, 557-560.	2.3	186
7	Size-Dependent Nonlinear Optical Properties of Atomically Thin Transition Metal Dichalcogenide Nanosheets. Small, 2015, 11, 694-701.	5.2	160
8	Graphene in Light: Design, Synthesis and Applications of Photoâ€active Graphene and Graphene‣ike Materials. Small, 2013, 9, 1266-1283.	5.2	129
9	Tuning the electronic structure and transport properties of graphene by noncovalent functionalization: effects of organic donor, acceptor and metal atoms. Nanotechnology, 2010, 21, 065201.	1.3	120
10	Photoactive graphene sheets prepared by "click―chemistry. Chemical Communications, 2011, 47, 5747.	2.2	108
11	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.	1.2	87
12	Self-catalytic membrane photo-reactor made of carbon nitride nanosheets. Journal of Materials Chemistry A, 2016, 4, 11666-11671.	5.2	47
13	Synthesis and characterization of composite membranes made of graphene and polymers of intrinsic microporosity. Carbon, 2016, 102, 357-366.	5.4	34
14	Partial Oxidized Arsenene: Emerging Tunable Direct Bandgap Semiconductor. Scientific Reports, 2016, 6, 24981.	1.6	33
15	Can azulene-like molecules function as substitution-free molecular rectifiers?. Physical Chemistry Chemical Physics, 2011, 13, 15882.	1.3	25
16	Conformationâ€Controlled Electron Transport in Singleâ€Molecule Junctions Containing Oligo(phenylene ethynylene) Derivatives. Chemistry - an Asian Journal, 2013, 8, 1901-1909.	1.7	24
17	Effects of Stone-Wales Defect on the Interactions Between NH ₃ , NO ₂ and Graphene. Journal of Nanoscience and Nanotechnology, 2010, 10, 7347-7350.	0.9	23
18	Tuning the magnetic and transport properties of metal adsorbed graphene by co-adsorption with 1,2-dichlorobenzene. Physical Chemistry Chemical Physics, 2012, 14, 11626.	1.3	20

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#	Article	IF	CITATIONS
19	Freeâ€Radicalâ€Promoted Conversion of Graphite Oxide into Chemically Modified Graphene. Chemistry - A European Journal, 2013, 19, 5948-5954.	1.7	19
20	A Coreâ€ S hell Strategy for Constructing a Singleâ€Molecule Junction. Chemistry - A European Journal, 2011, 17, 8414-8423.	1.7	18
21	Recent progress on the smart membranes based on two-dimensional materials. Chinese Chemical Letters, 2022, 33, 2832-2844.	4.8	16
22	Lighten the Olympia of the Flatland: Probing and Manipulating the Photonic Properties of 2D Transitionâ€Metal Dichalcogenides. Small, 2015, 11, 3206-3220.	5.2	15
23	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.	1.8	12
24	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
25	Advanced membranes with responsive two-dimensional nanochannels. , 2021, 1, 100012.		8
26	FIRST PRINCIPLES STUDY OF CYTOSINE ADSORPTION ON GRAPHENE. International Journal of Nanoscience, 2009, 08, 5-8.	0.4	5
27	Optical Materials: Size-Dependent Nonlinear Optical Properties of Atomically Thin Transition Metal Dichaleogenide Nanosheets (Small 6/2015) Small 2015, 11, 634-634	5.2	4