

Fang Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11603128/publications.pdf>

Version: 2024-02-01

23
papers

3,807
citations

516561

16
h-index

642610

23
g-index

24
all docs

24
docs citations

24
times ranked

6236
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the quantum capacitance of graphene. <i>Nature Nanotechnology</i> , 2009, 4, 505-509.	15.6	1,459
2	Effect of Anchoring Groups on Single-Molecule Conductance: A Comparative Study of Thiol-, Amine-, and Carboxylic-Acid-Terminated Molecules. <i>Journal of the American Chemical Society</i> , 2006, 128, 15874-15881.	6.6	701
3	Measurement of Single-Molecule Conductance. <i>Annual Review of Physical Chemistry</i> , 2007, 58, 535-564.	4.8	374
4	Dielectric Screening Enhanced Performance in Graphene FET. <i>Nano Letters</i> , 2009, 9, 2571-2574.	4.5	253
5	Electrochemical Gate-Controlled Charge Transport in Graphene in Ionic Liquid and Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2009, 131, 9908-9909.	6.6	238
6	Graphene Layers-Wrapped Fe/Fe ₅ C ₂ Nanoparticles Supported on N-Doped Graphene Nanosheets for Highly Efficient Oxygen Reduction. <i>Advanced Energy Materials</i> , 2018, 8, 1702476.	10.2	205
7	Ionic Screening of Charged-Impurity Scattering in Graphene. <i>Nano Letters</i> , 2009, 9, 1621-1625.	4.5	144
8	Thermally Activated Electron Transport in Single Redox Molecules. <i>Journal of the American Chemical Society</i> , 2007, 129, 11535-11542.	6.6	131
9	Graphene Field-Effect Transistors: Electrochemical Gating, Interfacial Capacitance, and Biosensing Applications. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2144-2153.	1.7	64
10	Electrochemical approach for fabricating nanogap electrodes with well controllable separation. <i>Applied Physics Letters</i> , 2005, 86, 123105.	1.5	48
11	Finely Tuning Metallic Nanogap Size with Electrodeposition by Utilizing High-Frequency Impedance in Feedback. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7771-7775.	7.2	31
12	The transport and quantum capacitance properties of epitaxial graphene. <i>Applied Physics Letters</i> , 2010, 96, 162101.	1.5	28
13	Forming single molecular junctions between indium tin oxide electrodes. <i>Applied Physics Letters</i> , 2007, 91, 162106.	1.5	22
14	Redox-Active Catechol-Functionalized Molecular Rods: Suitable Protection Groups and Single-Molecule Transport Investigations. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 136-149.	1.2	21
15	Unique Metal Cation Recognition via Crown Ether-Derivatized Oligo(phenyleneethynylene) Molecular Junction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8496-8503.	1.5	20
16	Influence of Molecular Structure on Contact Interaction between Thiophene Anchoring Group and Au Electrode. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1472-1476.	1.5	19
17	Facile preparation of ternary Ag ₂ CO ₃ /Ag/PANI composite nanorods with enhanced photoactivity and stability. <i>Journal of Materials Science</i> , 2017, 52, 4521-4531.	1.7	16
18	Constructing Dual-Molecule Junctions to Probe Intermolecular Crosstalk. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30584-30590.	4.0	7

#	ARTICLE	IF	CITATIONS
19	The binding sites of carboxylic acid group contacting to Cu electrode. <i>Electrochemistry Communications</i> , 2015, 59, 48-51.	2.3	6
20	Comparative Study on Single-Molecule Junctions of Alkane- and Benzene-Based Molecules with Carboxylic Acid/Aldehyde as the Anchoring Groups. <i>Nanoscale Research Letters</i> , 2016, 11, 380.	3.1	6
21	Formation of nanogaps by nanoscale Cu electrodeposition and dissolution. <i>Electrochimica Acta</i> , 2007, 52, 4210-4214.	2.6	5
22	One-step electrochemical exfoliation-deposition of MnO ₂ anchoring on graphite nanosheets as an effective host material for high-performance sulfur cathode. <i>Ionics</i> , 2020, 26, 5279-5286.	1.2	5
23	Electrochemical Fabrication of Metal Nanocontacts and Nanogaps. , 0, , 167-194.		2