

Shizheng Wen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8893871/publications.pdf>

Version: 2024-02-01

19
papers

335
citations

840776

11
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

507
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaching Charge Separation Efficiency to Unity without Charge Recombination. <i>Physical Review Letters</i> , 2021, 126, 176401.	7.8	35
2	Serial and parallel spin circuits at the molecular scale with two atomic-vacancies in graphene: Amplification of spin-filtering effect. <i>Carbon</i> , 2019, 154, 357-362.	10.3	2
3	TMC (TM = Co, Ni, and Cu) monolayers with planar pentacoordinate carbon and their potential applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6406-6413.	5.5	29
4	Nanomechanical control of spin current flip using monovacancy graphene. <i>Carbon</i> , 2018, 133, 218-223.	10.3	10
5	Conductive metal adatoms adsorbed on graphene nanoribbons: a first-principles study of electronic structures, magnetization and transport properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4053-4062.	5.5	12
6	Theoretical investigation of armchair silicene nanoribbons with application in stretchable electronics. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10085-10090.	5.5	7
7	Theoretical exploration to the cation effect on the second-order nonlinear optical properties of Strandberg-type polyoxometalates. <i>Journal of Theoretical and Computational Chemistry</i> , 2015, 14, 1550007.	1.8	2
8	Theoretical Studies on Metalloporphyrin-Polyoxometalates Hybrid Complexes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29623-29628.	3.1	23
9	A Rational Design for Dye Sensitizer: Density Functional Theory Study on the Electronic Absorption Spectra of Organoimido-Substituted Hexamolybdates. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2245-2251.	3.1	43
10	Theoretical exploration to the substituting effect on second-order nonlinear optical properties for lacunary Keggin polyoxometalates. <i>Chemical Physics Letters</i> , 2013, 557, 123-128.	2.6	9
11	Theoretical insights into [PMo12O40]3- grafted on single-walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9177.	2.8	27
12	Theoretical Study on the Rectifying Performance of Organoimido Derivatives of Hexamolybdates. <i>ChemPhysChem</i> , 2013, 14, 610-617.	2.1	16
13	Theoretical investigation of second-order nonlinear optical response by linking hexamolybdate with graphene in the donor-acceptor (D-A) framework. <i>Molecular Simulation</i> , 2013, 39, 214-219.	2.0	8
14	Theoretical exploration to second-order nonlinear optical properties of new hybrid complexes via coordination interaction between (metallo)porphyrin and [MSiW11O39]3- (M=NbV or VV) polyoxometalates. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 46, 59-64.	2.4	27
15	First principle investigation of transport properties of Lindqvist derivatives based molecular junction. <i>Journal of Molecular Graphics and Modelling</i> , 2012, 38, 220-225.	2.4	8
16	Theoretical investigation of structural and electronic properties of [PW12O40]3- on graphene layer. <i>Dalton Transactions</i> , 2012, 41, 4602.	3.3	48
17	A DFT study on the second-order nonlinear optical properties of the plenary mixed-metal polyoxometalate. <i>Molecular Simulation</i> , 2012, 38, 518-524.	2.0	3
18	Time-Dependent Current Distributions of a Two-Terminal Carbon Nanotube-Based Electronic Device. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5519-5525.	2.6	14

#	ARTICLE	IF	CITATIONS
19	Quantum chemical studies of Lindqvist-type polyoxometalates containing late 3d transition metals $[(\text{py})\text{MIIW}_5\text{O}_{18}]_4^{4-}$ ($\text{M}=\text{Fe, Co, Ni}$): MII π -N bonding and second-order nonlinear optical properties. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 1043-1053.	1.4	12