

Shizheng Wen

List of Publications by Year in descending order

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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	Theoretical investigation of structural and electronic properties of [PW ₁₂ O ₄₀] ³⁻ on graphene layer. Dalton Transactions, 2012, 41, 4602.	3.3	48
2	A Rational Design for Dye Sensitizer: Density Functional Theory Study on the Electronic Absorption Spectra of Organoimido-Substituted Hexamolybdates. Journal of Physical Chemistry C, 2013, 117, 2245-2251.	3.1	43
3	Approaching Charge Separation Efficiency to Unity without Charge Recombination. Physical Review Letters, 2021, 126, 176401.	7.8	35
4	TMC (TM = Co, Ni, and Cu) monolayers with planar pentacoordinate carbon and their potential applications. Journal of Materials Chemistry C, 2019, 7, 6406-6413.	5.5	29
5	Theoretical insights into [PMo ₁₂ O ₄₀] ³⁻ grafted on single-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2013, 15, 9177.	2.8	27
6	Theoretical exploration to second-order nonlinear optical properties of new hybrid complexes via coordination interaction between (metallo)porphyrin and [MSiW ₁₁ O ₃₉] ³⁻ (M=NbV or W) polyoxometalates. Journal of Molecular Graphics and Modelling, 2013, 46, 59-64.	2.4	27
7	Theoretical Studies on Metalloporphyrin-Polyoxometalates Hybrid Complexes for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2014, 118, 29623-29628.	3.1	23
8	Theoretical Study on the Rectifying Performance of Organoimido Derivatives of Hexamolybdates. ChemPhysChem, 2013, 14, 610-617.	2.1	16
9	Time-Dependent Current Distributions of a Two-Terminal Carbon Nanotube-Based Electronic Device. Journal of Physical Chemistry B, 2011, 115, 5519-5525.	2.6	14
10	Quantum chemical studies of Lindqvist-type polyoxometalates containing late 3d transition metals ([$(py)M_{II}W_5O_{18}]^{4-}$ (M=Fe, Co, Ni)): M-N bonding and second-order nonlinear optical properties. Theoretical Chemistry Accounts, 2011, 130, 1043-1053.	1.4	12
11	Conductive metal adatoms adsorbed on graphene nanoribbons: a first-principles study of electronic structures, magnetization and transport properties. Journal of Materials Chemistry C, 2017, 5, 4053-4062.	5.5	12
12	Nanomechanical control of spin current flip using monovacancy graphene. Carbon, 2018, 133, 218-223.	10.3	10
13	Theoretical exploration to the substituting effect on second-order nonlinear optical properties for lacunary β -Keggin polyoxometalates. Chemical Physics Letters, 2013, 557, 123-128.	2.6	9
14	First principle investigation of transport properties of Lindqvist derivatives based molecular junction. Journal of Molecular Graphics and Modelling, 2012, 38, 220-225.	2.4	8
15	Theoretical investigation of second-order nonlinear optical response by linking hexamolybdate with graphene in the donor-acceptor (D-A) framework. Molecular Simulation, 2013, 39, 214-219.	2.0	8
16	Theoretical investigation of armchair silicene nanoribbons with application in stretchable electronics. Journal of Materials Chemistry C, 2015, 3, 10085-10090.	5.5	7
17	A DFT study on the second-order nonlinear optical properties of the plenary mixed-metal polyoxometalate. Molecular Simulation, 2012, 38, 518-524.	2.0	3
18	Theoretical exploration to the cation effect on the second-order nonlinear optical properties of Strandberg-type polyoxometalates. Journal of Theoretical and Computational Chemistry, 2015, 14, 1550007.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Serial and parallel spin circuits at the molecular scale with two atomic-vacancies in graphene: Amplification of spin-filtering effect. Carbon, 2019, 154, 357-362.	10.3	2