X Sheng

List of Publications by Year
in descending order

29 papers	1,748 citations	623188 14 h-index	500791 28 g-index
29 all docs	29 docs citations	29 times ranked	3219 citing authors

#	Article	IF	Citations
1	Understanding competitive adsorption of SF6 and its decomposed components on Î±-Fe2O3. Surface Science, 2022, 723, 122128.	0.8	2
2	Study of the Interactions between MeOH and Daidzein at the Molecular Level. ACS Omega, 2021, 6, 21491-21498.	1.6	3
3	Revealing the Role of Metals and Anions in Nitrophenol UVâ€“Visible Spectroscopies and Their Atmospheric Implication. ACS Earth and Space Chemistry, 2021, 5, 2677-2685.	1.2	6
4	Molecular Understanding of Solvents and Glycitein Interaction during Extraction. ACS Omega, 2019, 4, 17823-17829.	1.6	7
5	Exploration of H2S capture by alkanolamines. Structural Chemistry, 2019, 30, 2419-2428.	1.0	4
6	Effects of the inter- and intra-molecular hydrogen bonding interactions in forming atmospheric malonic acid-containing clusters. Chemical Physics, 2019, 524, 14-20.	0.9	2
7	Boosting nitrogen reduction reaction by bio-inspired FeMoS containing hybrid electrocatalyst over a wide pH range. Nano Energy, 2019, 62, 282-288.	8.2	108
8	Paired Electrocatalytic Oxygenation and Hydrogenation of Organic Substrates with Water as the Oxygen and Hydrogen Source. Angewandte Chemie - International Edition, 2019, 58, 9155-9159.	7.2	188
9	Impact of neutral and acidic species on cycloalkenes nucleation. Structural Chemistry, 2019, 30, 1415-1426.	1.0	2
10	Atmospheric Initial Nucleation Containing Carboxylic Acids. Journal of Physical Chemistry A, 2019, 123, 3876-3886.	1.1	9
11	Molecular interaction between MeOH and genistein during soy extraction. RSC Advances, 2019, 9, 39170-39179.	1.7	8
12	Carbon-supported iron complexes as electrocatalysts for the cogeneration of hydroxylamine and electricity in a NO-H2 fuel cell: A combined electrochemical and density functional theory study. Journal of Power Sources, 2018, 390, 249-260.	4.0	9
13	Dendritic core-shell nickel-iron-copper metal/metal oxide electrode for efficient electrocatalytic water oxidation. Nature Communications, 2018, 9, 381.	5.8	322
14	FTIR study of hydrogen bonding interaction between fluorinated alcohol and unsaturated esters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 198, 239-247.	2.0	24
15	Heterogeneous reactions of SO2 on the hematite(0001) surface. Journal of Chemical Physics, 2018, 149, 194703.	1.2	10
16	Study of carbon suboxide-containing clusters: A potential sink for cumulene. Computational and Theoretical Chemistry, 2018, 1142, 78-82.	1.1	1
17	Molecular understanding of the interaction of methyl hydrogen sulfate with ammonia/dimethylamine/water. Chemosphere, 2017, 186, 331-340.	4.2	18
18	Selectivity of Cobalt Corrole for CO vs. O2 and N2 in Indoor Pollution. Scientific Reports, 2017, 7, 14536.	1.6	15

#	Article	IF	Citations
19	Iron-containing N-doped carbon electrocatalysts for the cogeneration of hydroxylamine and electricity in a H₂â€“NO fuel cell. Green Chemistry, 2016, 18, 1547-1559.	4.6	30
20	N-doped ordered mesoporous carbons prepared by a two-step nanocasting strategy as highly active and selective electrocatalysts for the reduction of O2 to H2O2. Applied Catalysis B: Environmental, 2015, 176-177, 212-224.	10.8	117
21	Pure and Alloyed Copperâ€Based Nanoparticles Supported on Activated Carbon: Synthesis and Electrocatalytic Application in the Reduction of Nitrobenzene. ChemElectroChem, 2014, 1, 1198-1210.	1.7	28
22	Metal-free doped carbon materials as electrocatalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 4085-4110.	5.2	683
23	Cu/CuxO and Pt nanoparticles supported on multi-walled carbon nanotubes as electrocatalysts for the reduction of nitrobenzene. Applied Catalysis B: Environmental, 2014, 147, 330-339.	10.8	46
24	The electrocatalytic behaviour of Pt and Cu nanoparticles supported on carbon nanotubes for the nitrobenzene reduction in ethanol. Electrochimica Acta, 2013, 111, 405-410.	2.6	37
25	Aerial oxidation of tetrahydrofuran to 2-hydroxotetrahydrofuran in the presence of a trimeric CuI complex [Cu3L3] (HL = tBuNHC(S)NHP(S)(OiPr)2) and trapping of the unstable product at recrystallization. New Journal of Chemistry, 2010, 34, 2835.	1.4	9
26	4-Bromo-N-(diisopropoxyphosphoryl)benzamide. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2926-o2926.	0.2	2
27	Competitive bulk liquid membrane transport and solvent extraction of some metal ions using RC(S)NHP(X)(OiPr)2 (X = O, S) as ionophores. Formation of the polynuclear complex of [Ag(Nî€‚Câ€“NP(S)(OiPr)2)]n. Dalton Transactions, 2009, , 8227.	1.6	28
28	Competitive bulk liquid membrane transport of some metal ions using RC(S)NHP(S)(OiPr)2 as ionophores. Unusual supramolecular â€œhoneycombâ€•aggregate of the polynuclear copper(I) complex of H2NC(S)NHP(S)(OiPr)2. Dalton Transactions, 2009, , 4646.	1.6	30
29	Isopropylammonium (isopropylamino)oxoacetate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4361-o4361.	0.2	0