Shengtao Zhang

List of Publications by Year
in descending order

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162 papers	10,537 citations	28274 55 h-index	34986 98 g-index
163 all docs	163 docs citations	163 times ranked	6195 citing authors

#	Article	IF	Citations
1	Adsorption of Gardenia jasminoides fruits extract on the interface of Cu/H2SO4 to inhibit Cu corrosion: Experimental and theoretical studies. Journal of Molecular Liquids, 2022, 345, 116996.	4.9	24
2	Coordination agent-dominated phase control of nickel sulfide for high-performance hybrid supercapacitor. Journal of Colloid and Interface Science, 2022, 607, 45-52.	9.4	19
3	Insight into the anti-corrosion performance of two food flavors as eco-friendly and ultra-high performance inhibitors for copper in sulfuric acid medium. Journal of Colloid and Interface Science, 2022, 609, 838-851.	9.4	100
4	Ionic macromolecules based on non-halide counter anions for super prevention of copper corrosion. Journal of Molecular Liquids, 2022, 349, 118156.	4.9	5
5	Passiflora edulia Sims leaves Extract as renewable and degradable inhibitor for copper in sulfuric acid solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 645, 128892.	4.7	85
6	Regulating the structure and morphology of nickel sulfides for electrochemical energy storage: The role of solvent pH. Chemical Engineering Journal, 2022, 441, 136130.	12.7	7
7	Controlled synthesis of a high-performance Î±-NiS/Ni3S4 hybrid by a binary synergy of sulfur sources for supercapacitor. Journal of Colloid and Interface Science, 2021, 581, 56-65.	9.4	36
8	Papaya leaves extract as a novel eco-friendly corrosion inhibitor for Cu in H2SO4 medium. Journal of Colloid and Interface Science, 2021, 582, 918-931.	9.4	275
9	Corrosion retardation effect of a green cauliflower extract on copper in H2SO4 solution: Electrochemical and theoretical explorations. Journal of Molecular Liquids, 2021, 321, 114450.	4.9	68
10	Insight into anti-corrosion mechanism of tetrazole derivatives for X80 steel in 0.5ÂM H2SO4 medium: Combined experimental and theoretical researches. Journal of Molecular Liquids, 2021, 321, 114464.	4.9	44
11	Hyperbranched molecules having multiple functional groups as effective corrosion inhibitors for Al alloys in aqueous NaCl. Journal of Colloid and Interface Science, 2021, 585, 614-626.	9.4	30
12	Insight into anti-corrosion nature of Betel leaves water extracts as the novel and eco-friendly inhibitors. Journal of Colloid and Interface Science, 2021, 585, 287-301.	9.4	190
13	Template-free synthesis of Î²-NiS ball-in-ball microspheres for a high-performance asymmetrical supercapacitor. Dalton Transactions, 2021, 50, 11512-11520.	3.3	5
14	Investigating the inhibitive effect of Davidia involucrata leaf extract as a biological eco-friendly inhibitor for copper in acidic medium. Journal of Molecular Liquids, 2021, 325, 115214.	4.9	50
15	Combining experiment and theory researches to insight into anti-corrosion nature of a novel thiazole derivatives. Journal of the Taiwan Institute of Chemical Engineers, 2021, 122, 190-200.	5.3	14
16	A green Brassica oleracea L extract as a novel corrosion inhibitor for Q235 steel in two typical acid media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126077.	4.7	70
17	Two common antihistamine drugs as high-efficiency corrosion inhibitors for copper in 0.5M H2SO4. Journal of the Taiwan Institute of Chemical Engineers, 2021, 123, 11-20.	5.3	18
18	Atriplex leucoclada extract: A promising eco-friendly anticorrosive agent for copper in aqueous media. Journal of Industrial and Engineering Chemistry, 2021, 99, 334-343.	5.8	17

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19	Understanding the adsorption and inhibitive properties of Nitrogen-Doped Carbon Dots for copper in 0.5 M H2SO4 solution. Journal of the Taiwan Institute of Chemical Engineers, 2021, 125, 23-34.	5.3	24
20	Three piperazine compounds as corrosion inhibitors for copper in 0.5 M sulfuric acid medium. Journal of the Taiwan Institute of Chemical Engineers, 2021, 126, 231-243.	5.3	10
21	Strengthened adsorption and corrosion inhibition of new single imidazole-type ionic liquid molecules to copper surface in sulfuric acid solution by molecular aggregation. Journal of Molecular Liquids, 2021, 338, 116675.	4.9	12
22	Synthesized carbon dots with high N and S content as excellent corrosion inhibitors for copper in sulfuric acid solution. Journal of Molecular Liquids, 2021, 338, 116702.	4.9	62
23	Study on corrosion inhibition performance of 1-dodecyl-3-methyl-1Âh-imidazolium nitrate on Cu in the sulfuric acid environment. Journal of Molecular Liquids, 2021, 340, 117189.	4.9	9
24	2-Mercaptobenzimidazole-inbuilt metal-organic-frameworks modified graphene oxide towards intelligent and excellent anti-corrosion coating. Corrosion Science, 2021, 191, 109715.	6.6	150
25	A universal H2O2-induced phase transformation of nickel sulfide towards sulfur-rich component. Applied Surface Science, 2021, 565, 150557.	6.1	3
26	A new pyridazine derivative synthesized as an efficient corrosion inhibitor for copper in sulfuric acid medium: Experimental and theoretical calculation studies. Journal of Molecular Liquids, 2021, 341, 117370.	4.9	39
27	Simple and prompt protonation of new dyes containing double conjugated imine bonds to strengthen the protection of copper in aggressive sulfuric acid solution. Journal of Molecular Liquids, 2021, 341, 117402.	4.9	3
28	Solvothermal synthesis of functionalized carbon dots from amino acid as an eco-friendly corrosion inhibitor for copper in sulfuric acid solution. Journal of Colloid and Interface Science, 2021, 604, 1-14.	9.4	81
29	New small gemini ionic liquids for intensifying adsorption and corrosion resistance of copper surface in sulfuric acid solution. Journal of Environmental Chemical Engineering, 2021, 9, 106679.	6.7	15
30	Investigation of imidazole derivatives as corrosion inhibitors of copper in sulfuric acid: Combination of experimental and theoretical researches. Journal of the Taiwan Institute of Chemical Engineers, 2020, 106, 118-129.	5.3	101
31	Orderly self-assembly of new ionic copolymers for efficiently protecting copper in aggressive sulfuric acid solution. Chemical Engineering Journal, 2020, 384, 123293.	12.7	41
32	Experimental and theoretical studies on the inhibition properties of three diphenyl disulfide derivatives on copper corrosion in acid medium. Journal of Molecular Liquids, 2020, 298, 111975.	4.9	172
33	Phenothiazine drugs as novel and eco-friendly corrosion inhibitors for copper in sulfuric acid solution. Journal of the Taiwan Institute of Chemical Engineers, 2020, 113, 253-263.	5.3	22
34	Evaluation of Idesia polycarpa Maxim fruits extract as a natural green corrosion inhibitor for copper in 0.5ÂM sulfuric acid solution. Journal of Molecular Liquids, 2020, 318, 114080.	4.9	49
35	Bee pollen extract as an eco-friendly corrosion inhibitor for pure copper in hydrochloric acid. Journal of Molecular Liquids, 2020, 316, 113849.	4.9	32
36	Self-assembly of new O- and S-heterocycle-based protective layers for copper in acid solution. Physical Chemistry Chemical Physics, 2020, 22, 4592-4601.	2.8	13

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37	Molecular self-assembly of novel amphiphilic topological hyperbranched polymers for super protection of copper in extremely aggressive acid solution. Applied Surface Science, 2020, 529, 147076.	6.1	19
38	Two novel drugs as bio-functional inhibitors for copper performing excellent anticorrosion and antibacterial properties. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110898.	5.0	15
39	Investigation of Losartan Potassium as an eco-friendly corrosion inhibitor for copper in 0.5ÂM H2SO4. Journal of Molecular Liquids, 2020, 305, 112789.	4.9	51
40	Self-aggregate nanoscale copolymer of new synthesized compounds efficiently protecting copper corrosion in sulfuric acid solution. Chemical Engineering Journal, 2020, 394, 124909.	12.7	27
41	Insights into the inhibition mechanism of three 5-phenyltetrazole derivatives for copper corrosion in sulfuric acid medium via experimental and DFT methods. Journal of the Taiwan Institute of Chemical Engineers, 2019, 102, 424-437.	5.3	125
42	Effects of 2,2-Dithiodipyridine as a Leveler for Through-Holes Filling by Copper Electroplating. Journal of the Electrochemical Society, 2019, 166, D660-D668.	2.9	18
43	Enhanced anticorrosion performance of copper by novel N-doped carbon dots. Corrosion Science, 2019, 161, 108193.	6.6	199
44	Nano- to Micro-Self-Aggregates of New Bisimidazole-Based Copoly(ionic liquid)s for Protecting Copper in Aqueous Sulfuric Acid Solution. ACS Applied Materials & Interfaces, 2019, 11, 10135-10145.	8.0	34
45	Understanding the adsorption and anticorrosive mechanism of DNA inhibitor for copper in sulfuric acid. Applied Surface Science, 2019, 492, 228-238.	6.1	188
46	Preparation and corrosion protection of VB2 modified trimer aniline-reduced graphene oxide(VTA-rGO) coatings. Progress in Organic Coatings, 2019, 132, 95-99.	3.9	7
47	Insight into the corrosion inhibition of copper in sulfuric acid via two environmentally friendly food spices: Combining experimental and theoretical methods. Journal of Molecular Liquids, 2019, 286, 110891.	4.9	82
48	Experimental and theoretical studies on inhibition performance of Cu corrosion in 0.5â€‰M H2SO4 by three disulfide derivatives. Journal of Industrial and Engineering Chemistry, 2019, 77, 449-460.	5.8	89
49	The electron donating effect of novel pyrazolo-pyrimidine inhibitors on anticorrosion of Q235 steel in picking solution. Journal of Molecular Liquids, 2019, 286, 110893.	4.9	19
50	Experimental and Theoretical Studies on the Corrosion Inhibition of Carbon Steel by Two Indazole Derivatives in HCl Medium. Materials, 2019, 12, 1339.	2.9	24
51	Synergistic corrosion inhibition effect of thiazolyl-based ionic liquids between anions and cations for copper in HCl solution. Applied Surface Science, 2019, 483, 901-911.	6.1	77
52	Corrosion inhibition of X65 steel in sulfuric acid by two food flavorants 2-isobutylthiazole and 1-(1,3-Thiazol-2-yl) ethanone as the green environmental corrosion inhibitors: Combination of experimental and theoretical researches. Journal of Colloid and Interface Science, 2019, 538, 519-529.	9.4	215
53	Self-assembly of new dendrimers basing on strong Ï€-Ï€ intermolecular interaction for application to protect copper. Chemical Engineering Journal, 2018, 342, 238-250.	12.7	40
54	The synergistic corrosion inhibition study of different chain lengths ionic liquids as green inhibitors for X70 steel in acidic medium. Materials Chemistry and Physics, 2018, 215, 229-241.	4.0	106

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55	Evaluation of Ginkgo leaf extract as an eco-friendly corrosion inhibitor of X70 steel in HCl solution. Corrosion Science, 2018, 133, 6-16.	6.6	517
56	Improving interfacial adhesion between copper foil and resin using amino acid in printed circuit board industry. Journal of Adhesion Science and Technology, 2018, 32, 1452-1470.	2.6	6
57	Experimental and computational investigations of 2-amino-6-bromobenzothiazole as a corrosion inhibitor for copper in sulfuric acid. Journal of Adhesion Science and Technology, 2018, 32, 2083-2098.	2.6	25
58	Photo and thermally stable branched corrosion inhibitors containing two benzotriazole groups for copper in 3.5â€¯wt% sodium chloride solution. Corrosion Science, 2018, 138, 353-371.	6.6	91
59	A combined experimental and theoretical study of the inhibition effect of three disulfide-based flavouring agents for copper corrosion in 0.5â€¯M sulfuric acid. Journal of Colloid and Interface Science, 2018, 526, 268-280.	9.4	198
60	Halogeno-substituted indazoles against copper corrosion in industrial pickling process: a combined electrochemical, morphological and theoretical approach. RSC Advances, 2018, 8, 38860-38871.	3.6	11
61	The effect of tricyclazole as a novel leveler for filling electroplated copper microvias. Journal of Electroanalytical Chemistry, 2018, 827, 151-159.	3.8	31
62	Experimental and theoretical investigations of some pyrazolo-pyrimidine derivatives as corrosion inhibitors on copper in sulfuric acid solution. Applied Surface Science, 2018, 459, 612-620.	6.1	115
63	Experimental and Theoretical Investigation of Thiazolyl Blue as a Corrosion Inhibitor for Copper in Neutral Sodium Chloride Solution. Materials, 2018, 11, 1042.	2.9	43
64	Designing and fabricating of single and double alkyl-chain indazole derivatives self-assembled monolayer for corrosion inhibition of copper. Corrosion Science, 2018, 140, 111-121.	6.6	141
65	Theoretical evaluation of the corrosion inhibition performance of 1,3-thiazole and its amino derivatives. Arabian Journal of Chemistry, 2017, 10, 121-130.	4.9	101
66	Hierarchical MnO2 nanosheets synthesized via electrodeposition-hydrothermal method for supercapacitor electrodes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	10
67	Synthesis of Graphene Oxide-Based Sulfonated Oligoanilines Coatings for Synergistically Enhanced Corrosion Protection in 3.5% NaCl Solution. ACS Applied Materials & Interfaces, 2017, 9, 4034-4043.	8.0	187
68	Remarkable difference between five- and six- number-membered ring transition states for intramolecular proton transfer in excited state. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 339, 25-35.	3.9	8
69	Experimental and theoretical studies of four allyl imidazolium-based ionic liquids as green inhibitors for copper corrosion in sulfuric acid. Corrosion Science, 2017, 119, 68-78.	6.6	466
70	Water soluble corrosion inhibitors for copper in 3.5 wt% sodium chloride solution. Corrosion Science, 2017, 123, 339-350.	6.6	105
71	Corrosion control of mild steel in 0.1ÂM H2SO4 solution by benzimidazole and its derivatives: an experimental and theoretical study. RSC Advances, 2017, 7, 23961-23969.	3.6	28
72	New near UV photoinitiators containing benzophenone part for photoinitiating polymerization of methyl methacrylate. Progress in Organic Coatings, 2017, 110, 150-161.	3.9	12

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73	Sodium dodecyl benzene sulfonate as a sustainable inhibitor for zinc corrosion in 26% NH 4 Cl solution. Journal of Cleaner Production, 2017, 152, 17-25.	9.3	107
74	Understanding difficulties of irregular number-membered ring transition states for intramolecular proton transfer in excited state. Tetrahedron, 2017, 73, 403-410.	1.9	7
75	New organic conjugated dye nano-aggregates exhibiting naked-eye fluorescence color switching. Dyes and Pigments, 2017, 139, 19-32.	3.7	7
76	Applications of graphene-based composite hydrogels: a review. RSC Advances, 2017, 7, 51008-51020.	3.6	61
77	4,6-Dimethyl-2-mercaptopyrimidine as a potential leveler for microvia filling with electroplating copper. RSC Advances, 2017, 7, 40342-40353.	3.6	30
78	Three indazole derivatives as corrosion inhibitors of copper in a neutral chloride solution. Corrosion Science, 2017, 126, 295-304.	6.6	300
79	Investigation of the inhibition effect of Montelukast Sodium on the copper corrosion in 0.5 mol/L H2SO4. Journal of Molecular Liquids, 2017, 248, 902-910.	4.9	126
80	Fabrication and surface treatment of fine copper lines for HDI printed circuit board with modified full-additive method. Circuit World, 2017, 43, 131-138.	0.9	4
81	Conjugated dyes carrying N, N-dialkylamino and ketone groups: One-component visible light Norrish type II photoinitiators. Dyes and Pigments, 2017, 137, 456-467.	3.7	29
82	New ESIPT-Inspired Photostabilizers of Two-Photon Absorption Coumarinâ€“Benzotriazole Dyads: From Experiments to Molecular Modeling. Industrial & Engineering Chemistry Research, 2016, 55, 5223-5230.	3.7	30
83	New AB2 type two-photon absorption dyes for well-separated dual-emission: molecular preorganization based approach to photophysical properties. Tetrahedron, 2016, 72, 3040-3056.	1.9	8
84	Stilbene-benzophenone dyads for free radical initiating polymerization of methyl methacrylate under visible light irradiation. Dyes and Pigments, 2016, 132, 27-40.	3.7	22
85	A mild acid-free one-pot reaction for synthesis of new phenanthridine dyes. Dyes and Pigments, 2016, 134, 613-617.	3.7	2
86	Synergistic effect of tartaric acid with 2,6-diaminopyridine on the corrosion inhibition of mild steel in 0.5 M HCl. Scientific Reports, 2016, 6, 33305.	3.3	138
87	Synthesis of dibenzotriazole derivatives bearing alkylene linkers as corrosion inhibitors for copper in sodium chloride solution: A new thought for the design of organic inhibitors. Corrosion Science, 2016, 113, 64-77.	6.6	89
88	Experimental and theoretical studies on the corrosion inhibition of copper by two indazole derivatives in 3.0% NaCl solution. Journal of Colloid and Interface Science, 2016, 472, 52-59.	9.4	283
89	Measuring Binding Kinetics of Antibodyâ€Conjugated Gold Nanoparticles with Intact Cells. Small, 2015, 11, 3782-3788.	10.0	27
90	A Successful Attempt to Obtain the Linear Dependence Between One-Photon and Two-Photon Spectral Properties and Hammett Parameters of Various Aromatic Substituents in New Ï€-Extended Asymmetric Organic Chromophores. Journal of Fluorescence, 2015, 25, 1559-1566.	2.5	3

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91	Evaluating two new Schiff bases synthesized on the inhibition of corrosion of copper in NaCl solutions. RSC Advances, 2015, 5, 14804-14813.	3.6	62
92	Copper corrosion inhibition by combined effect of inhibitor and passive film in alkaline solution. Research on Chemical Intermediates, 2015, 41, 8557-8570.	2.7	18
93	Study on process technique of PCBs with ladder conductive lines. Circuit World, 2015, 41, 34-40.	0.9	1
94	The effect of 5-nitroindazole as an inhibitor for the corrosion of copper in a 3.0% NaCl solution. RSC Advances, 2015, 5, 63866-63873.	3.6	106
95	Efficient enhancement of internal proton transfer of branched Ï€-extended organic chromophore under one-photon and near-infrared two-photon irradiation. Chemical Physics Letters, 2015, 619, 201-207.	2.6	5
96	New armed near-IR two-photon organic chromophores undergoing ESIPT and â€˜naked eyeâ€™ fluorescence sensing to zinc ions. Tetrahedron Letters, 2015, 56, 2758-2763.	1.4	9
97	Experimental and theoretical studies of two imidazolium-based ionic liquids as inhibitors for mild steel in sulfuric acid solution. Corrosion Science, 2015, 95, 168-179.	6.6	268
98	A solâ€“bathâ€“gel approach to prepare hybrid coating for corrosion protection of aluminum alloy. Surface and Coatings Technology, 2015, 279, 72-78.	4.8	35
99	Synthesis of New Benzotriazole Derivatives Containing Carbon Chains as the Corrosion Inhibitors for Copper in Sodium Chloride Solution. Industrial & Engineering Chemistry Research, 2015, 54, 12242-12253.	3.7	55
100	Experimental and theoretical studies of triisopropanolamine as an inhibitor for aluminum alloy in 3% NaCl solution. RSC Advances, 2015, 5, 101693-101700.	3.6	25
101	New two-photon absorption benzotriazoleâ€“coumarin dyads: the evidence of internal proton transfer in the excited state. Tetrahedron Letters, 2015, 56, 236-242.	1.4	5
102	How does fluorescent labeling affect the binding kinetics of proteins with intact cells?. Biosensors and Bioelectronics, 2015, 66, 412-416.	10.1	56
103	Experimental and theoretical studies of benzalkonium chloride as an inhibitor for carbon steel corrosion in sulfuric acid. Journal of Industrial and Engineering Chemistry, 2015, 24, 174-180.	5.8	86
104	Electrochemical and Quantum Chemical Assessment of 2-Aminothiazole as Inhibitor for Carton Steel in Sulfuric Acid Solution. Asian Journal of Chemistry, 2015, 27, 2917-2923.	0.3	8
105	CdS-Sensitized TiO2 Nanotube Arrays: Preparation and Enhanced Photocatalytic Activity. Asian Journal of Chemistry, 2014, 26, 3569-3573.	0.3	3
106	Electrochemical Fabrication of Highly Ordered ZrO2-HfO2 Binary Oxides Nanotube Arrays. Asian Journal of Chemistry, 2014, 26, 4915-4918.	0.3	0
107	Methionine â€“ Au Nanoparticle Modified Glassy Carbon Electrode: a Novel Platform for Electrochemical Detection of Hydroquinone. Medziagotyra, 2014, 20, .	0.2	3
108	Vertically aligned cobalt oxide nanowires on graphene networks for high-performance lithium storage. Nanotechnology, 2014, 25, 445704.	2.6	10

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109	In situ investigation of initial stage growth of anodic ZrO2 nanotubes by spectroscopic ellipsometry. Electrochemistry Communications, 2014, 42, 13-16.	4.7	7
110	First-principles study of electric field effects on the structure, decomposition mechanism, and stability of crystalline lead styphnate. Journal of Molecular Modeling, 2014, 20, 2072.	1.8	14
111	Investigation of 1-butyl-3-methyl-1H-benzimidazolium iodide as inhibitor for mild steel in sulfuric acid solution. Corrosion Science, 2014, 80, 383-392.	6.6	190
112	<scp>l</scp>-Cysteine/glycine composite film modified glassy carbon electrode as an enhanced sensing platform for catechol determination. Analytical Methods, 2014, 6, 1210-1218.	2.7	6
113	A voltammetric sensor based on eosin Y film modified glassy carbon electrode for simultaneous determination of hydroquinone and catechol. Analytical Methods, 2014, 6, 6494-6503.	2.7	38
114	Theoretical challenges in understanding the inhibition mechanism of copper corrosion in acid media in the presence of three triazole derivatives. RSC Advances, 2014, 4, 41956-41967.	3.6	91
115	Theoretical studies of three triazole derivatives as corrosion inhibitors for mild steel in acidic medium. Corrosion Science, 2014, 87, 366-375.	6.6	235
116	Experimental and Theoretical Study on the Corrosion Inhibition of Mild Steel by 1-Octyl-3-methylimidazolium <scp>l</scp>-Prolinate in Sulfuric Acid Solution. Industrial & Engineering Chemistry Research, 2014, 53, 16349-16358.	3.7	80
117	Ultrathin single-crystalline vanadium pentoxide nanoribbon constructed 3D networks for superior energy storage. Journal of Materials Chemistry A, 2014, 2, 13136-13142.	10.3	78
118	Synthesis of Pt3Ni-based functionalized MWCNTs to enhance electrocatalysis for PEM fuel cells. Journal of Solid State Electrochemistry, 2014, 18, 1893-1898.	2.5	4
119	Thermal stability improved by Ï€-Ï€ stacking interactions: Synthesis, crystal structure and thermal decomposition of sodium nitroformate. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 488-491.	1.0	2
120	Thermodynamics, core-level spectroscopy, morphology, and work function study of different TiCl3 crystalline phases: A theoretical approach. Journal of Alloys and Compounds, 2014, 602, 66-71.	5.5	6
121	Enhancing Electrochemical Hydrogen Generation by Platinum-Modification of p-Type Silicon Wires Array under Visible Light. Journal of the Electrochemical Society, 2014, 161, H458-H463.	2.9	10
122	Elastic, electronic, optical, and spectroscopic properties of Î² -AgMO 2 (M = Al and Ga): First-principles calculations. Computational Materials Science, 2014, 92, 92-101.	3.0	12
123	In situ drug-receptor binding kinetics in single cells: a quantitative label-free study of anti-tumor drug resistance. Scientific Reports, 2014, 4, 6609.	3.3	38
124	A first-principles study on the structural, elastic, electronic, optical, lattice dynamical, and thermodynamic properties of zinc-blende CdX (X= S, Se, and Te). Journal of Alloys and Compounds, 2013, 579, 583-593.	5.5	46
125	Building 3D Structures of Vanadium Pentoxide Nanosheets and Application as Electrodes in Supercapacitors. Nano Letters, 2013, 13, 5408-5413.	9.1	343
126	Comparative theoretical study of the geometric and electronic structures of potassium and silver salts of nitroform. Computational and Theoretical Chemistry, 2013, 1004, 1-4.	2.5	2

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127	Direct Laserâ€Patterned Microâ€Supercapacitors from Paintable MoS₂ Films. Small, 2013, 9, 2905-2910.	10.0	455
128	Structural, elastic, electronic and optical properties of beryllium chalcogenides BeX (X=S, Se, Te) with zinc-blende structure. Journal of Alloys and Compounds, 2013, 561, 16-22.	5.5	35
129	Highly ordered anodic TiO2 nanotube arrays and their stabilities as photo(electro)catalysts. Applied Surface Science, 2012, 258, 3647-3651.	6.1	34
130	Adsorption and corrosion inhibition of Osmanthus fragran leaves extract on carbon steel. Corrosion Science, 2012, 63, 82-90.	6.6	223
131	Electroless copper plating using dimethylamine borane as reductant. Particuology, 2012, 10, 487-491.	3.6	20
132	Shock tube study of kerosene ignition delay at high pressures. Science China: Physics, Mechanics and Astronomy, 2012, 55, 947-954.	5.1	18
133	Adsorption and Inhibitory Mechanism of 1H-1,2,4-Triazol-l-yl-methyl-2-(4-chlorophenoxy) Acetate on Corrosion of Mild Steel in Acidic Solution. Industrial & Engineering Chemistry Research, 2011, 50, 6082-6088.	3.7	76
134	Effects of two fungicides on the corrosion resistance of copper in 3.5% NaCl solution under various conditions. Corrosion Science, 2011, 53, 735-745.	6.6	88
135	Remarkable Electron Donor-Acceptor Effects on the Optical Properties of Novel Phenyl Ketone Derivatives. Letters in Organic Chemistry, 2011, 8, 606-609.	0.5	0
136	Synthesis and Spectroscopy of Novel Branched Fluorescent Dyes Containing Benzophenone Parts and the Possibility as Fluorescence Probes. Journal of Fluorescence, 2011, 21, 149-159.	2.5	2
137	Molecular Geometry Optimization, Two-Photon Absorption and Electrochemistry of New Diphenylethylene Derivatives Linking with Benzophenone Moiety Through Ether Covalent Bond. Journal of Fluorescence, 2011, 21, 327-338.	2.5	3
138	Two-Photon Optical Properties of Novel Branched Conjugated Derivatives Carrying Benzophenone Moiety with Various Electron Donor-Acceptor Substituent Groups. Journal of Fluorescence, 2011, 21, 393-407.	2.5	5
139	A Comprehensive Investigation on the Cooperative Branch Effect on the Optical Properties of Novel Conjugated Compounds. Journal of Fluorescence, 2011, 21, 545-554.	2.5	6
140	A Comprehensive Therotical Investigation of Intramolecular Proton Transfer in the Excited States for Some Newly-designed Diphenylethylene Derivatives Bearing 2-(2-Hydroxy-Phenyl)-Benzotriazole Part. Journal of Fluorescence, 2011, 21, 1721-1728.	2.5	32
141	Excited state intramolecular proton transfer fluorescence emission of o-hydroxyphenyl-triazine derivatives. Science Bulletin, 2011, 56, 1457-1460.	1.7	3
142	Ellipsometric analysis of corrosion behavior of 3C magnesium alloy surface touched by simulated sweat. Surface and Interface Analysis, 2011, 43, 752-756.	1.8	5
143	Corrosion behavior of 3C magnesium alloys in simulated sweat solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2011, 62, 234-239.	1.5	18
144	In situ ellipsometric study of electrodeposition of manganese films on copper. Applied Surface Science, 2011, 257, 3275-3280.	6.1	19

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145	Two-photon Absorption Properties of Novel Conjugated Dyes Containing a Benzophenone Unit. Chemistry Letters, 2010, 39, 324-325.	1.3	1
146	Pure Branch Effect on the Optical Properties of Novel Conjugated Derivatives. Chemistry Letters, 2010, 39, 582-583.	1.3	1
147	Efficiently Tuning the Absorption and Fluorescence Spectroscopy of the Novel Branched p-Nitro-stilbene Derivatives with Chemical Strategy. Journal of Fluorescence, 2010, 20, 353-364.	2.5	6
148	Synthesis, Spectroscopy and Photochemistry of Novel Branched Fluorescent Nitro-Stilbene Derivatives with Benzopheonone Groups. Journal of Fluorescence, 2010, 20, 703-712.	2.5	6
149	Photoinduced Excited State Intramolecular Proton Transfer of New Schiff Base Derivatives with Extended Conjugated Chromophores: A Comprehensive Theoretical Survey. Chinese Journal of Chemistry, 2010, 28, 901-910.	4.9	8
150	Synthesis and Spectral Tuning of Novel Triphenylamineâ€Based Derivatives Containing Electron Donorâ€Acceptor Groups. Chinese Journal of Chemistry, 2010, 28, 950-960.	4.9	6
151	Excited State Intramolecular Proton Transfer of New Diphenylâ€•ethylene Derivatives Bearing Imino Group: A Combination of Experimental and Theoretical Investigation. Chinese Journal of Chemistry, 2010, 28, 1057-1068.	4.9	5
152	Adsorption and Corrosion Inhibition Behavior of Mild Steel by One Derivative of Benzoicâ^'Triazole in Acidic Solution. Industrial & Engineering Chemistry Research, 2010, 49, 2593-2599.	3.7	65
153	Facile synthesis and magnetic properties of monodisperse Fe3O4/silica nanocomposite microspheres with embedded structures via a direct solution-based route. Journal of Alloys and Compounds, 2010, 497, 221-227.	5.5	121
154	Electrochemical and thermodynamic investigation of diniconazole and triadimefon as corrosion inhibitors for copper in synthetic seawater. Corrosion Science, 2010, 52, 2891-2896.	6.6	102
155	Substitutional adsorption isotherms and corrosion inhibitive properties of some oxadiazol-triazole derivative in acidic solution. Corrosion Science, 2010, 52, 3126-3132.	6.6	73
156	Synthesis of pâ€Nitroâ€stilbene Derivatives with Different Linking Bonds: An Attempt to Tune Spectroscopy of Dyes with Molecular Engineering. Chinese Journal of Chemistry, 2009, 27, 1929-1936.	4.9	3
157	Synthesis, Spectroscopy and Photochemistry of Nitro-Azobenzene Dyes Bearing Benzophenone Parts. Journal of Fluorescence, 2009, 19, 533-544.	2.5	2
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