

Wei Deng

List of Publications by Year in descending order

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72
papers

2,124
citations

236925

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254184

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docs citations

75
times ranked

2772
citing authors

#	ARTICLE	IF	CITATIONS
1	A Chemical-Responsive Supramolecular Hydrogel from Modified Cyclodextrins. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5144-5147.	13.8	170
2	Amino acid-mediated Goldberg reactions between amides and aryl iodides. <i>Tetrahedron Letters</i> , 2004, 45, 2311-2315.	1.4	143
3	Griess reaction-based paper strip for colorimetric/fluorescent/SERS triple sensing of nitrite. <i>Biosensors and Bioelectronics</i> , 2018, 99, 389-398.	10.1	131
4	Copper-catalyzed cross-coupling of sulfonamides with aryl iodides and bromides facilitated by amino acid ligands. <i>Tetrahedron Letters</i> , 2005, 46, 7295-7298.	1.4	107
5	Headspace-Sampling Paper-Based Analytical Device for Colorimetric/Surface-Enhanced Raman Scattering Dual Sensing of Sulfur Dioxide in Wine. <i>Analytical Chemistry</i> , 2018, 90, 5719-5727.	6.5	98
6	Facile <i>in situ</i> synthesis of core-shell MOF@Ag nanoparticle composites on screen-printed electrodes for ultrasensitive SERS detection of polycyclic aromatic hydrocarbons. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14108-14117.	10.3	87
7	Structures and Mechanical and Electronic Properties of the Ti ₂ CO ₂ MXene Incorporated with Neighboring Elements (Sc, V, B and N). <i>Journal of Electronic Materials</i> , 2017, 46, 2460-2466.	2.2	68
8	Aerobic oxidation with N-hydroxyphthalimide catalysts in ionic liquid. <i>Tetrahedron Letters</i> , 2005, 46, 4647-4651.	1.4	63
9	Construction of Chemical-Responsive Supramolecular Hydrogels from Guest-Modified Cyclodextrins. <i>Chemistry - an Asian Journal</i> , 2008, 3, 687-695.	3.3	54
10	Identification and Detection of Volatile Aldehydes as Lung Cancer Biomarkers by Vapor Generation Combined with Paper-Based Thin-Film Microextraction. <i>Analytical Chemistry</i> , 2021, 93, 4924-4931.	6.5	54
11	Novel Carbonyl Allylation Mediated by SnCl ₂ /TiCl ₃ in Water. <i>Organic Letters</i> , 2003, 5, 1833-1835.	4.6	50
12	pH and cation-responsive supramolecular gels formed by cyclodextrin amines in DMSO. <i>Soft Matter</i> , 2010, 6, 1884.	2.7	49
13	Self-Assembled Microgels Arrays for Electrostatic Concentration and Surface-Enhanced Raman Spectroscopy Detection of Charged Pesticides in Seawater. <i>Analytical Chemistry</i> , 2019, 91, 11192-11199.	6.5	49
14	Effect of aminopropylisobutyl polyhedral oligomeric silsesquioxane functionalized graphene on the thermal conductivity and electrical insulation properties of epoxy composites. <i>RSC Advances</i> , 2016, 6, 10498-10506.	3.6	47
15	Cu/Fe Catalyzed Intermolecular Oxidative Amination of Benzylic C-H Bonds. <i>Chemistry - A European Journal</i> , 2016, 22, 6208-6212.	3.3	41
16	Utilizing Ag-Au core-satellite structures for colorimetric and surface-enhanced Raman scattering dual-sensing of Cu (II). <i>Biosensors and Bioelectronics</i> , 2020, 159, 112192.	10.1	39
17	A novel room temperature POSS ionic liquid-based solid polymer electrolyte. <i>Journal of Materials Science</i> , 2018, 53, 8420-8435.	3.7	38
18	Development of a Low Toxicity, Effective pDNA Vector Based on Noncovalent Assembly of Bioresponsive Amino- β -cyclodextrin:Adamantane-Poly(vinyl alcohol)-Poly(ethylene glycol) Transfection Complexes. <i>Bioconjugate Chemistry</i> , 2012, 23, 933-940.	3.6	34

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19	On-site preconcentration of pesticide residues in a drop of seawater by using electrokinetic trapping, and their determination by surface-enhanced Raman scattering. <i>Mikrochimica Acta</i> , 2018, 185, 10.	5.0	31
20	Fluorescent/SERS dual-sensing and imaging of intracellular Zn ²⁺ . <i>Analytica Chimica Acta</i> , 2018, 1038, 148-156.	5.4	31
21	Copper-catalyzed regioselective hydroboration of terminal alkynes in aqueous medium. <i>Tetrahedron Letters</i> , 2016, 57, 910-913.	1.4	30
22	Half-sandwich late transition metal complexes based on functionalized carborane ligands. <i>Coordination Chemistry Reviews</i> , 2016, 309, 21-35.	18.8	29
23	N-donor auxiliary ligand-directed assembly of Co ^{II} compounds with a 2,2'-dinitro-biphenyl-4,4'-dicarboxylate ligand: structures and magnetic properties. <i>CrystEngComm</i> , 2017, 19, 1738-1750.	2.6	28
24	Copper-catalyzed hydroboration of arylalkenes at room temperature. <i>Tetrahedron Letters</i> , 2015, 56, 2297-2302.	1.4	27
25	Transition-metal-free hydroboration of terminal alkynes activated by base. <i>Tetrahedron Letters</i> , 2016, 57, 1-4.	1.4	27
26	Half-Sandwich Ruthenium Complexes for One-Pot Synthesis of Quinolines and Tetrahydroquinolines: Diverse Catalytic Activity in the Coupled Cyclization and Hydrogenation Process. <i>Inorganic Chemistry</i> , 2020, 59, 7841-7851.	4.0	27
27	Simultaneous preconcentration and ultrasensitive on-site SERS detection of polycyclic aromatic hydrocarbons in seawater using hexanethiol-modified silver decorated graphene nanomaterials. <i>Analytical Methods</i> , 2016, 8, 7587-7596.	2.7	24
28	DNA-Based Nanofabrication: Pathway to Applications in Surface Engineering. <i>Small</i> , 2019, 15, e1805428.	10.0	24
29	An Efficient Probe of Cyclometallated Phosphorescent Iridium Complex for Selective Detection of Cyanide. <i>ACS Omega</i> , 2020, 5, 4636-4645.	3.5	23
30	Poly(ethylene glycol)-poly(vinyl alcohol)-adamantanate: synthesis and stimuli-responsive micelle properties. <i>Soft Matter</i> , 2012, 8, 5843.	2.7	22
31	Stimuli-responsive microgels with fluorescent and SERS activities for water and temperature sensing. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113138.	10.1	21
32	Controllable tuning of polymetallic Co-Ni-Ru-S-Se ultrathin nanosheets to boost electrocatalytic oxygen evolution. <i>NPG Asia Materials</i> , 2022, 14, .	7.9	21
33	Molecular modeling study of CP-690550 derivatives as JAK3 kinase inhibitors through combined 3D-QSAR, molecular docking, and dynamics simulation techniques. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 72, 178-186.	2.4	20
34	SERS-based chip for discrimination of formaldehyde and acetaldehyde in aqueous solution using silver reduction. <i>Mikrochimica Acta</i> , 2019, 186, 175.	5.0	20
35	Competitive photoinduced electron transfer by the complex formation of porphyrin with cyclodextrin bearing viologen. <i>Chemical Communications</i> , 2006, , 4212.	4.1	19
36	Cyclometalated Half-Sandwich Iridium Complex for Catalytic Hydrogenation of Imines and Quinolines. <i>Organometallics</i> , 2018, 37, 3883-3892.	2.3	19

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37	Mild and Efficient CuI Catalyzed Coupling Reactions of Amides with Bromides. Chinese Journal of Chemistry, 2005, 23, 1241-1246.	4.9	18
38	Catalytic hydrogenation of carbonyl and nitro compounds using an [N^{i>,O}]-chelate half-sandwich ruthenium catalyst. Dalton Transactions, 2019, 48, 7158-7166.	3.3	18
39	Expedient copper-catalyzed borylation reactions using amino acids as ligands. Chinese Chemical Letters, 2015, 26, 373-376.	9.0	17
40	Structural diversity and catalytic properties of five Co ₂ (COO) ₄ cluster-based coordination polymers modified with R-isophthalic acid (R = H, NO ₂ , CH ₃ , OH and tBu). CrystEngComm, 2017, 19, 5038-5047.	2.6	17
41	R-Substituent induced structural diversity, synergistic effect and highly selective luminescence sensing for Fe ³⁺ detection by post-synthetically modified Cd-MOFs. CrystEngComm, 2020, 22, 3871-3883.	2.6	16
42	Discovery of bis-aryl urea derivatives as potent and selective Limk inhibitors: Exploring Limk1 activity and Limk1/ROCK2 selectivity through a combined computational study. Bioorganic and Medicinal Chemistry, 2015, 23, 7464-7477.	3.0	15
43	Synthesis of well-defined glycopolymers with highly ordered sugar units in the side chain via combining CuAAC reaction and ROMP: lectin interaction study in homo- and hetero-glycopolymers. Polymer Chemistry, 2019, 10, 4006-4016.	3.9	14
44	Universal Anticancer Cu(DTC) ₂ Discriminates between Thiols and Zinc(II) Thiolates Oxidatively. Angewandte Chemie - International Edition, 2019, 58, 6070-6073.	13.8	14
45	Air-Stable Half-Sandwich Iridium Complexes as Aerobic Oxidation Catalysts for Imine Synthesis. Inorganic Chemistry, 2020, 59, 4800-4809.	4.0	14
46	Cyclometalated Half-Sandwich Iridium(III) Complexes: Synthesis, Structure, and Diverse Catalytic Activity in Imine Synthesis Using Air as the Oxidant. Inorganic Chemistry, 2021, 60, 5153-5162.	4.0	14
47	Mononuclear Nickel(II) Complexes with Schiff Base Ligands: Synthesis, Characterization, and Catalytic Activity in Norbornene Polymerization. Polymers, 2017, 9, 105.	4.5	13
48	[NO]- and [NN]-coordination mode rhodium complexes based on a flexible ligand: synthesis, reactivity and catalytic activity. New Journal of Chemistry, 2016, 40, 8753-8759.	2.8	12
49	In situ SERS and X-ray photoelectron spectroscopy studies on the pH-dependant adsorption of anthraquinone-2-carboxylic acid on silver electrode. Applied Surface Science, 2016, 367, 153-159.	6.1	12
50	Synthesis of Cu _{3.8} Ni/CoO and Cu _{3.8} Ni/MnO nanoparticles for advanced lithium-ion battery anode materials. Nano Research, 2017, 10, 1033-1043.	10.4	12
51	Half-Sandwich Iridium Complexes for the One-Pot Synthesis of Amides: Preparation, Structure, and Diverse Catalytic Activity. Inorganic Chemistry, 2020, 59, 16582-16590.	4.0	12
52	Electrochemical Investigation of Coenzyme Q10 on Silver Electrode in Ethanol Aqueous Solution and Its Determination Using Differential Pulse Voltammetry. Journal of the Association for Laboratory Automation, 2016, 21, 579-589.	2.8	11
53	Synthesis, structure and catalytic polymerization activity of half-sandwich cyclometallated iridium complexes. Applied Organometallic Chemistry, 2018, 32, e4239.	3.5	11
54	Half-sandwich ruthenium-based versatile catalyst for both alcohol oxidation and catalytic hydrogenation of carbonyl compounds in aqueous media. Applied Organometallic Chemistry, 2019, 33, e4875.	3.5	11

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55	Air-tolerant direct reductive N-methylation of amines using formic acid via simple inorganic base catalysis. <i>Chinese Chemical Letters</i> , 2020, 31, 111-114.	9.0	10
56	A dual-responsive nanozyme sensor with ultra-high sensitivity and ultra-low cross-interference towards metabolic biomarker monitoring. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3023-3031.	5.8	10
57	Amino acid-modified cyclodextrins as ligands for Heck reaction in water. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 80, 443-448.	1.6	9
58	Half-sandwich Ir (III) and Rh (III) complexes as catalysts for water oxidation with double-site. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5040.	3.5	9
59	Peak-fitting assisted SERS strategy for accurate discrimination of carboxylic acid enantiomers. <i>Chemical Communications</i> , 2021, 57, 11064-11067.	4.1	9
60	A Facile Approach to Covalently Functionalized Graphene Nanosheet Hybrids and Polymer Nanocomposites. <i>ChemNanoMat</i> , 2016, 2, 830-839.	2.8	8
61	Modeling Analysis of Potential Target of Dolastatin 16 by Computational Virtual Screening. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 602-607.	1.3	7
62	Synthesis and Optoelectronic Properties of Cationic Iridium(III) Complexes with <i>o</i> -Carborane-Based 2-Phenyl Benzothiazole Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 2756-2763.	4.0	7
63	Synthesis of Indenones Via Palladium-Catalyzed Carbonylation with Mo(CO) ₆ as a CO Surrogate. <i>Organometallics</i> , 2022, 41, 441-449.	2.3	7
64	Colorimetric/fluorescent/Raman trimodal sensing of zinc ions with complexation-mediated Au nanorod. <i>Talanta</i> , 2021, 225, 121975.	5.5	6
65	NHC ligand-based half-sandwich iridium complexes: synthesis, structure and catalytic activity in acceptorless dehydrogenation and transfer hydrogenation. <i>New Journal of Chemistry</i> , 2021, 45, 19002-19010.	2.8	6
66	Synthesis of well-defined heteroglycopolymers via combining sequential click reactions and PPM: the effects of linker and heterogeneity on Con A binding. <i>Polymer Chemistry</i> , 2020, 11, 3054-3065.	3.9	5
67	First magnesium-mediated carbonyl benzylolation in water. <i>Chinese Journal of Chemistry</i> , 2004, 22, 747-750.	4.9	4
68	Precise synthesis of heterogeneous glycopolymers with well-defined saccharide motifs in the side chain via post-polymerization modification and recognition with lectin. <i>Journal of Polymer Science</i> , 2020, 58, 2074-2087.	3.8	4
69	Partially delocalized charge in crystalline CoSe/NiO nanocomposites for boosting electrocatalytic oxygen evolution. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10838-10850.	2.8	4
70	Universal Anticancer Cu(DTC) 2 Discriminates between Thiols and Zinc(II) Thiolates Oxidatively. <i>Angewandte Chemie</i> , 2019, 131, 6131-6134.	2.0	2
71	Carbohydrate-lectin recognition of well-defined heterogeneous dendronized glycopolymers: systematic studies on the heterogeneity in glycopolymer-lectin binding. <i>Polymer Chemistry</i> , 2021, 12, 4722-4735.	3.9	1
72	Mechanism of Ligand-Controlled Chemoselectivity-Switchable Ni-Catalyzed C-N Cross-Coupling of Amine. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0