

Wei Deng

List of Publications by Year in descending order

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72
papers

2,124
citations

236925

25
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254184

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all docs

75
docs citations

75
times ranked

2772
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of Ligand-Controlled Chemoselectivity-Switchable Ni-Catalyzed C-N Cross-Coupling of Amine. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0
2	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
3	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
4	Partially delocalized charge in crystalline Co-Se/NiO nanocomposites for boosting electrocatalytic oxygen evolution. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10838-10850.	2.8	4
5	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
6	Colorimetric/fluorescent/Raman trimodal sensing of zinc ions with complexation-mediated Au nanorod. <i>Talanta</i> , 2021, 225, 121975.	5.5	6
7	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
8	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
9	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
10	Cyclometalated Half-Sandwich Iridium(III) Complexes: Synthesis, Structure, and Diverse Catalytic Activity in Imine Synthesis Using Air as the Oxidant. <i>Inorganic Chemistry</i> , 2021, 60, 5153-5162.	4.0	14
11	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
12	Stimuli-responsive microgels with fluorescent and SERS activities for water and temperature sensing. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113138.	10.1	21
13	Peak-fitting assisted SERS strategy for accurate discrimination of carboxylic acid enantiomers. <i>Chemical Communications</i> , 2021, 57, 11064-11067.	4.1	9
14	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
15	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
16	Half-Sandwich Iridium Complexes for the One-Pot Synthesis of Amides: Preparation, Structure, and Diverse Catalytic Activity. <i>Inorganic Chemistry</i> , 2020, 59, 16582-16590.	4.0	12
17	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
18	R-Substituent induced structural diversity, synergistic effect and highly selective luminescence sensing for Fe ³⁺ detection by post-synthetically modified Cd-MOFs. <i>CrystEngComm</i> , 2020, 22, 3871-3883.	2.6	16

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19	Air-Stable Half-Sandwich Iridium Complexes as Aerobic Oxidation Catalysts for Imine Synthesis. <i>Inorganic Chemistry</i> , 2020, 59, 4800-4809.	4.0	14
20	An Efficient Probe of Cyclometallated Phosphorescent Iridium Complex for Selective Detection of Cyanide. <i>ACS Omega</i> , 2020, 5, 4636-4645.	3.5	23
21	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
22	Synthesis of well-defined heteroglycopolymers <i>via</i> 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
23	Catalytic hydrogenation of carbonyl and nitro compounds using an [N,O]-chelate half-sandwich ruthenium catalyst. <i>Dalton Transactions</i> , 2019, 48, 7158-7166.	3.3	18
24	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
25	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
26	Synthesis of well-defined glycopolymers with highly ordered sugar units in the side chain <i>via</i> combining CuAAC reaction and ROMP: lectin interaction study in homo- and hetero-glycopolymers. <i>Polymer Chemistry</i> , 2019, 10, 4006-4016.	3.9	14
27	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
28	Universal Anticancer Cu(DTC) ₂ Discriminates between Thiols and Zinc(II) Thiolates Oxidatively. <i>Angewandte Chemie</i> , 2019, 131, 6131-6134.	2.0	2
29	Universal Anticancer Cu(DTC) ₂ Discriminates between Thiols and Zinc(II) Thiolates Oxidatively. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6070-6073.	13.8	14
30	Half-sandwich ruthenium-based versatile catalyst for both alcohol oxidation and catalytic hydrogenation of carbonyl compounds in aqueous media. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4875.	3.5	11
31	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
32	DNA-Based Nanofabrication: Pathway to Applications in Surface Engineering. <i>Small</i> , 2019, 15, e1805428.	10.0	24
33	A novel room temperature POSS ionic liquid-based solid polymer electrolyte. <i>Journal of Materials Science</i> , 2018, 53, 8420-8435.	3.7	38
34	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
35	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
36	Synthesis, structure and catalytic polymerization activity of half-sandwich cyclometallated iridium complexes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4239.	3.5	11

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37	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
38	Cyclometalated Half-Sandwich Iridium Complex for Catalytic Hydrogenation of Imines and Quinolines. <i>Organometallics</i> , 2018, 37, 3883-3892.	2.3	19
39	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
40	Fluorescent/SERS dual-sensing and imaging of intracellular Zn ²⁺ . <i>Analytica Chimica Acta</i> , 2018, 1038, 148-156.	5.4	31
41	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
42	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
43	Synthesis of Cu _{3.8} Ni/CoO and Cu _{3.8} Ni/MnO nanoparticles for advanced lithium-ion battery anode materials. <i>Nano Research</i> , 2017, 10, 1033-1043.	10.4	12
44	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
45	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). <i>CrystEngComm</i> , 2017, 19, 5038-5047.	2.6	17
46	Mononuclear Nickel(II) Complexes with Schiff Base Ligands: Synthesis, Characterization, and Catalytic Activity in Norbornene Polymerization. <i>Polymers</i> , 2017, 9, 105.	4.5	13
47	Cu/Fe Catalyzed Intermolecular Oxidative Amination of Benzylic C-H Bonds. <i>Chemistry - A European Journal</i> , 2016, 22, 6208-6212.	3.3	41
48	[NO]- and [NN]-coordination mode rhodium complexes based on a flexible ligand: synthesis, reactivity and catalytic activity. <i>New Journal of Chemistry</i> , 2016, 40, 8753-8759.	2.8	12
49	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
50	A Facile Approach to Covalently Functionalized Graphene Nanosheet Hybrids and Polymer Nanocomposites. <i>ChemNanoMat</i> , 2016, 2, 830-839.	2.8	8
51	In situ SERS and X-ray photoelectron spectroscopy studies on the pH-dependant adsorption of anthraquinone-2-carboxylic acid on silver electrode. <i>Applied Surface Science</i> , 2016, 367, 153-159.	6.1	12
52	Electrochemical Investigation of Coenzyme Q10 on Silver Electrode in Ethanol Aqueous Solution and Its Determination Using Differential Pulse Voltammetry. <i>Journal of the Association for Laboratory Automation</i> , 2016, 21, 579-589.	2.8	11
53	Copper-catalyzed regioselective hydroboration of terminal alkynes in aqueous medium. <i>Tetrahedron Letters</i> , 2016, 57, 910-913.	1.4	30
54	Half-sandwich late transition metal complexes based on functionalized carborane ligands. <i>Coordination Chemistry Reviews</i> , 2016, 309, 21-35.	18.8	29

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55	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
56	Transition-metal-free hydroboration of terminal alkynes activated by base. <i>Tetrahedron Letters</i> , 2016, 57, 1-4.	1.4	27
57	Expedient copper-catalyzed borylation reactions using amino acids as ligands. <i>Chinese Chemical Letters</i> , 2015, 26, 373-376.	9.0	17
58	Copper-catalyzed hydroboration of arylalkenes at room temperature. <i>Tetrahedron Letters</i> , 2015, 56, 2297-2302.	1.4	27
59	Discovery of bis-aryl urea derivatives as potent and selective Limk inhibitors: Exploring Limk1 activity and Limk1/ROCK2 selectivity through a combined computational study. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7464-7477.	3.0	15
60	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
61	Poly(ethylene glycol)-poly(vinyl alcohol)-adamantanate: synthesis and stimuli-responsive micelle properties. <i>Soft Matter</i> , 2012, 8, 5843.	2.7	22
62	Development of a Low Toxicity, Effective pDNA Vector Based on Noncovalent Assembly of Bioresponsive Amino- β -cyclodextrin:Adamantane- β -Poly(vinyl alcohol)- β -Poly(ethylene glycol) Transfection Complexes. <i>Bioconjugate Chemistry</i> , 2012, 23, 933-940.	3.6	34
63	pH and cation-responsive supramolecular gels formed by cyclodextrin amines in DMSO. <i>Soft Matter</i> , 2010, 6, 1884.	2.7	49
64	Construction of Chemical-Responsive Supramolecular Hydrogels from Guest-Modified Cyclodextrins. <i>Chemistry - an Asian Journal</i> , 2008, 3, 687-695.	3.3	54
65	A Chemical-Responsive Supramolecular Hydrogel from Modified Cyclodextrins. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5144-5147.	13.8	170
66	Competitive photoinduced electron transfer by the complex formation of porphyrin with cyclodextrin bearing viologen. <i>Chemical Communications</i> , 2006, , 4212.	4.1	19
67	Aerobic oxidation with N-hydroxyphthalimide catalysts in ionic liquid. <i>Tetrahedron Letters</i> , 2005, 46, 4647-4651.	1.4	63
68	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
69	Mild and Efficient CuI Catalyzed Coupling Reactions of Amides with Bromides. <i>Chinese Journal of Chemistry</i> , 2005, 23, 1241-1246.	4.9	18
70	Amino acid-mediated Goldberg reactions between amides and aryl iodides. <i>Tetrahedron Letters</i> , 2004, 45, 2311-2315.	1.4	143
71	First magnesium-mediated carbonyl benzoylation in water. <i>Chinese Journal of Chemistry</i> , 2004, 22, 747-750.	4.9	4
72	Novel Carbonyl Allylation Mediated by SnCl ₂ /TiCl ₃ in Water. <i>Organic Letters</i> , 2003, 5, 1833-1835.	4.6	50