Yuanfu Deng

List of Publications by Citations

110 papers	4,816 citations	37 h-index	66 g-index
126 ext. papers	5,531 ext. citations	6.9 avg, IF	6.08 L-index

#	Paper	IF	Citations
110	Review on recent advances in nitrogen-doped carbons: preparations and applications in supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 1144-1173	13	706
109	One-pot synthesis of ZnFe2O4/C hollow spheres as superior anode materials for lithium ion batteries. *Chemical Communications*, **2011**, 47, 6828-30	5.8	205
108	The developments of SnO2/graphene nanocomposites as anode materials for high performance lithium ion batteries: A review. *Journal of Power Sources*, **2016**, 304, 81-101	8.9	185
107	Promising Nitrogen-Rich Porous Carbons Derived from One-Step Calcium Chloride Activation of Biomass-Based Waste for High Performance Supercapacitors. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 177-187	8.3	174
106	Hierarchically porous nitrogen-doped carbon derived from the activation of agriculture waste by potassium hydroxide and urea for high-performance supercapacitors. *Journal of Power Sources*, **2018**, 378, 579-588	8.9	159
105	Recent advances in Mn-based oxides as anode materials for lithium ion batteries. *RSC Advances*, **2014**, 4, 23914-23935	3.7	128
104	Porous Mn2O3 microsphere as a superior anode material for lithium ion batteries. *RSC Advances*, **2012**, 2, 4645	3.7	127
103	Controllable synthesis of spinel nano-ZnMn2O4via a single source precursor route and its high capacity retention as anode material for lithium ion batteries. *Journal of Materials Chemistry*, **2011**, 21, 11987		120
102	Improving the electrochemical performance of the LiNi0.5Mn1.5O4 spinel by polypyrrole coating as a cathode material for the lithium-ion battery. *Journal of Materials Chemistry A*, **2015**, 3, 404-411	13	105
101	Hollow Fe3O4/C spheres as superior lithium storage materials. *Journal of Power Sources*, **2012**, 197, 305-309	8.9	102
100	The effects of persulfate treatment on the electrochemical properties of Li[Li0.2Mn0.54Ni0.13Co0.13]O2 cathode material. *Journal of Power Sources*, **2013**, 221, 108-113	8.9	100
99	Graphene-encapsulated sulfur (GES) composites with a core–shell structure as superior cathode materials for lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2013**, 1, 15142	13	98
98	Copper-Catalyzed Regioselective C-H Sulfonylation of 8-Aminoquinolines. *Journal of Organic Chemistry*, **2016**, 81, 946-55	4.2	83
97	Synthesis of ZnFe2O4 nanoplates by succinic acid-assisted hydrothermal route and their photocatalytic degradation of rhodamine B under visible light. *Journal of Environmental Chemical Engineering*, **2014**, 2, 123-130	6.8	83
96	Status and prospect of garnet/polymer solid composite electrolytes for all-solid-state lithium batteries. *Journal of Energy Chemistry*, **2020**, 50, 154-177	12	80
95	Rh(III)-Catalyzed [4 + 2] Annulation of Indoles with Diazo Compounds: Access to Pyrimido[1,6-a]indole-1(2H)-ones. *Organic Letters*, **2016**, 18, 192-5	6.2	80
94	Co(III)-Catalyzed Coupling-Cyclization of Aryl C–H Bonds with α-Diazoketones Involving Wolff Rearrangement. *ACS Catalysis*, **2018**, 8, 1308-1312	13.1	73

93	Ruthenium(II)-catalyzed direct addition of indole/pyrrole C2-H bonds to alkynes. *Journal of Organic Chemistry*, **2014**, 79, 9472-80	4.2	72
92	The enhanced rate performance of LiFe0.5Mn0.5PO4/C cathode material via synergistic strategies of surfactant-assisted solid state method and carbon coating. *Journal of Materials Chemistry A*, **2015**, 3, 996-1004	13	66
91	Recent Advances of Mn-Rich LiFe1-yMnyPO4 (0.5 ≥ y Advanced Energy Materials, **2017**, 7, 1601958	21.8	60
90	Porous LiMn2O4 microspheres as durable high power cathode materials for lithium ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 8170	13	60
89	Co(II)-Catalyzed Regioselective Cross-Dehydrogenative Coupling of Aryl C-H Bonds with Carboxylic Acids. *Organic Letters*, **2017**, 19, 4279-4282	6.2	59
88	Improving the Electrochemical Performance of Si Nanoparticle Anode Material by Synergistic Strategies of Polydopamine and Graphene Oxide Coatings. *Journal of Physical Chemistry C*, **2015**, 119, 1720-1728	3.8	59
87	Graphene oxide-immobilized NH□terminated silicon nanoparticles by cross-linked interactions for highly stable silicon negative electrodes. *ACS Applied Materials & Interfaces*, **2014**, 6, 11277-85	9.5	57
86	Structural Diversities of Cobalt(II) Coordination Polymers with Citric Acid. *Crystal Growth and Design* , **2005**, 5, 1109-1117	3.5	55
85	Insight to the synergistic effect of N-doping level and pore structure on improving the electrochemical performance of sulfur/N-doped porous carbon cathode for Li-S batteries. *Carbon*, **2019**, 144, 745-755	10.4	52
84	Palladium-catalyzed ortho-functionalization of azoarenes with aryl acylperoxides. *Organic and Biomolecular Chemistry*, **2014**, 12, 5866-75	3.9	51
83	Copper(II)-catalyzed enantioselective intramolecular cyclization of N-alkenylureas. *Organic Letters*, **2015**, 17, 1018-21	6.2	50
82	Durable polydopamine-coated porous sulfur core□shell cathode for high performance lithium□sulfur batteries. *Journal of Power Sources*, **2015**, 300, 386-394	8.9	49
81	A [4 + 1] Cyclative Capture Access to Indolizines via Cobalt(III)-Catalyzed Csp(2)-H Bond Functionalization. *Organic Letters*, **2016**, 18, 4742-5	6.2	49
80	pH-dependent isolations and spectroscopic, structural, and thermal studies of titanium citrate complexes. *Inorganic Chemistry*, **2004**, 43, 6266-73	5.1	49
79	CoS-interposed and Ketjen black-embedded carbon nanofiber framework as a separator modulation for high performance Li-S batteries. *Chemical Engineering Journal*, **2019**, 369, 77-86	14.7	48
78	How electrolyte additives work in Li-ion batteries. *Energy Storage Materials*, **2019**, 20, 208-215	19.4	42
77	Ultrathin sheets of MoS2/g-C3N4 composite as a good hosting material of sulfur for lithium□sulfur batteries. *Journal of Power Sources*, **2019**, 431, 93-104	8.9	40
76	Carbon-Encapsulated Sn@N-Doped Carbon Nanotubes as Anode Materials for Application in SIBs. *ACS Applied Materials & Interfaces*, **2017**, 9, 37682-37693	9.5	39

75	Pd(II)-Catalyzed Pyridine N-Oxides Directed Arylation of Unactivated Csp(3)-H Bonds. *Journal of Organic Chemistry*, **2015**, 80, 4618-26	4.2	37
74	Rh(III)-catalyzed chelation-assisted intermolecular carbenoid functionalization of □mino Csp(3)-H bonds. *Chemical Communications*, **2015**, 51, 15328-31	5.8	37
73	Nitrogen-rich porous carbon in ultra-high yield derived from activation of biomass waste by a novel eutectic salt for high performance Li-ion capacitors. *Carbon*, **2020**, 161, 25-35	10.4	37
72	Sub-micrometer-sized LiMn1.5Ni0.5O4 spheres as high rate cathode materials for long-life lithium ion batteries. *Electrochemistry Communications*, **2013**, 27, 92-95	5.1	37
71	The superior cycle and rate performance of a novel sulfur cathode by immobilizing sulfur into porous N-doped carbon microspheres. *Chemical Communications*, **2014**, 50, 10468-70	5.8	36
70	A surfactant-assisted synthesis route for scalable preparation of high performance of LiFe0.15Mn0.85PO4/C cathode using bimetallic precursor. *Journal of Power Sources*, **2014**, 265, 223-230	8.9	36
69	Transition-Metal-Free Tandem Chlorocyclization of Amines with Carboxylic Acids: Access to Chloroimidazo[1,2-╫pyridines. *Organic Letters*, **2015**, 17, 3998-4001	6.2	35
68	N-doped carbon-coated hollow carbon nanofibers with interspersed TiO2 for integrated separator of Li-S batteries. *Electrochimica Acta*, **2019**, 297, 641-649	6.7	34
67	Synergies of the crystallinity and conductive agents on the electrochemical properties of the hollow Fe3O4 spheres. *Electrochimica Acta*, **2012**, 76, 495-503	6.7	33
66	Dimeric dioxomolybdenum(VI) and oxomolybdenum(V) complexes with citrate at very low pH and neutral conditions. *Inorganic Chemistry*, **2005**, 44, 6912-4	5.1	33
65	An appropriate amount of new spinel phase induced by control synthesis for the improvement of electrochemical performance of Li-rich layered oxide cathode material. *Electrochimica Acta*, **2020**, 330, 135240	6.7	33
64	Rh(III)-Catalyzed Carboamination of Propargyl Cycloalkanols with Arylamines via Csp-H/Csp-Csp Activation. *Organic Letters*, **2017**, 19, 3474-3477	6.2	32
63	Ni/Mn ratio and morphology-dependent crystallographic facet structure and electrochemical properties of the high-voltage spinel LiNi0.5Mn1.5O4 cathode material. *RSC Advances*, **2015**, 5, 25988-25997	3.7	31
62	Speciation of water-soluble titanium citrate: Synthesis, structural, spectroscopic properties and biological relevance. *Polyhedron*, **2007**, 26, 1561-1569	2.7	29
61	High-rate and long-life performance of a truncated spinel cathode material with off-stoichiometric composition at elevated temperature. *Electrochimica Acta*, **2017**, 225, 198-206	6.7	27
60	Applications of Conventional Vibrational Spectroscopic Methods for Batteries Beyond Li-Ion. *Small Methods*, **2018**, 2, 1700332	12.8	27
59	Pd-catalyzed [3+2] cycloaddition of ketoimines with alkynes via directed sp□C-H bond activation. *Chemical Communications*, **2014**, 50, 10699-702	5.8	25
58	Investigation of the Effect of Extra Lithium Addition and Postannealing on the Electrochemical Performance of High-Voltage Spinel LiNi0.5Mn1.5O4 Cathode Material. *Journal of Physical Chemistry C*, **2014**, 118, 15581-15589	3.8	25

57	Resilient Energy Storage under High-Temperature with In-Situ-Synthesized MnO@Graphene as Anode. *ACS Applied Materials & Interfaces*, **2017**, 9, 33896-33905	9.5	25
56	An Ir(iii)-catalyzed aryl C-H bond carbenoid functionalization cascade: access to 1,3-dihydroindol-2-ones. *Organic and Biomolecular Chemistry*, **2017**, 15, 3638-3647	3.9	24
55	Palladium-Catalyzed Intramolecular Sulfonamidation/Oxidation of Imines: Access to Multifunctional Benzimidazoles. *Advanced Synthesis and Catalysis*, **2011**, 353, 2795-2804	5.6	24
54	Heterobimetallic peroxo-titanium(IV) nitrilotriacetate complexes as single source precursors for preparation of MTiO3 (M = Co, Ni and Zn). *Dalton Transactions*, **2010**, 39, 2497-503	4.3	23
53	Ammonium barium citrato peroxotitanate(IV) Ba2(NH4)2[Ti4(O2)4(Hcit)2(cit)2]·10H2O: a molecular precursor of stoichiometric BaTi2O5. *Inorganic Chemistry Communication*, **2004**, 7, 169-172	3.1	22
52	CoFex-CoFe2O4/N-doped carbon nanocomposite derived from in situ pyrolysis of a single source precursor as a superior bifunctional electrocatalyst for water splitting. *Electrochimica Acta*, **2018**, 262, 18-26	6.7	21
51	Ultra-small nanoparticles of MgTi2O5 embedded in carbon rods with superior rate performance for sodium ion batteries. *Chemical Communications*, **2015**, 51, 3545-8	5.8	21
50	Monomeric and polymeric nickel complexes of malate: X-ray crystal structure of polymeric homochiral S-malato nickel(II), [Ni(S-Hmal)(H2O)2]n·nH2O. *Polyhedron*, **2002**, 21, 787-790	2.7	21
49	Fe3C/Fe nanoparticles embedded in N-doped porous carbon nanosheets and graphene: A thin functional interlayer for PP separator to boost performance of Li-S batteries. *Chemical Engineering Journal*, **2021**, 415, 129001	14.7	21
48	Synthesis and electrocatalytic function for hydrogen generation of cobalt and nickel complexes supported by phenylenediamine ligand. *Inorganic Chemistry Communication*, **2016**, 72, 100-104	3.1	21
47	Rhodium(III)-catalyzed indole-directed carbenoid aryl C–H insertion/cyclization: access to 1,2-benzocarbazoles. *RSC Advances*, **2017**, 7, 30554-30558	3.7	20
46	Sulfur impregnated in tunable porous N-doped carbon as sulfur cathode: effect of pore size distribution. *Electrochimica Acta*, **2015**, 173, 282-289	6.7	19
45	Two Dimensional WS2/C Nanosheets as a Polysulfides Immobilizer for High Performance Lithium-Sulfur Batteries. *Journal of the Electrochemical Society*, **2019**, 166, A5386-A5395	3.9	18
44	Synthesis and crystal structure of a zinc citrate complex [Zn(H2cit)(H2O)] n. *Journal of Coordination Chemistry*, **2009**, 62, 1484-1491	1.6	18
43	Titanium-based mixed oxides from a series of titanium(IV) citrate complexes. *Journal of Solid State Chemistry*, **2007**, 180, 3152-3159	3.3	18
42	Synthesis of magnesium titanate nanocrystallites from a cheap and water-soluble single source precursor. *Inorganica Chimica Acta*, **2010**, 363, 827-829	2.7	17
41	Net-Structured Filter of Co(OH)2-Anchored Carbon Nanofibers with Ketjen Black for High Performance Li–S Batteries. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 17099-17107	8.3	17
40	Synthesis of calcium titanate from [Ca(H2O)3]2[Ti2(O2)2O(NC6H6O6)2]·2H2O as a cheap single-source precursor. *Solid State Sciences*, **2010**, 12, 339-344	3.4	16

39	Selective ligand conversion of ethylenediamine tetraacetate to its triacetate on peroxotitanate(IV). *Inorganic Chemistry*, **2007**, 46, 6846-8	5.1	16
38	An environmentally friendly strategy to prepare nitrogen-rich hierarchical porous carbon for high-performance supercapacitors. *Chemical Communications*, **2020**, 56, 2182-2185	5.8	15
37	CoO functionalized IrO2-Sb2O5-SnO2 anode with an enhanced activity and stability for electrocatalytic oxygen evolution. *Journal of Alloys and Compounds*, **2017**, 696, 257-265	5.7	15
36	Manganese citrate complexes: syntheses, crystal structures and thermal properties. *Journal of Coordination Chemistry*, **2009**, 62, 778-788	1.6	15
35	A Bis(1,2-Azaborolyl)yttrium Alkyl Complex: Synthesis, Structure, and Polymerization Study. *Organometallics*, **2008**, 27, 2892-2895	3.8	15
34	Porous Anatase-TiO(B) Dual-Phase Nanorods Prepared from in Situ Pyrolysis of a Single Molecule Precursor Offer High Performance Lithium-Ion Storage. *Inorganic Chemistry*, **2018**, 57, 12245-12254	5.1	15
33	Zn(OAc)-Catalyzed C3-Carbonylacetylation of Indoles with Diazoketones Involving Wolff Rearrangement. *Organic Letters*, **2018**, 20, 6140-6143	6.2	14
32	Co(II)-Catalyzed Regioselective Pyridine C-H Coupling with Diazoacetates. *Organic Letters*, **2019**, 21, 3427-3430	6.2	13
31	Chloro-free route to mixed-metal oxides. Synthesis of lead titanate nanoparticles from a single-source precursor route. *Journal of Thermal Analysis and Calorimetry*, **2011**, 104, 653-659	4.1	12
30	Assembly of cyano-bridged Cu(II)/Cu(II) and Cu(I)/Cu(II) compounds obtained by controlled ration of cyanide. *Journal of Organometallic Chemistry*, **2007**, 692, 3568-3573	2.3	12
29	A stable water-soluble molecular precursor for the preparation of stoichiometric strontium titanate. *Inorganic Chemistry Communication*, **2008**, 11, 1064-1066	3.1	12
28	Speciation and transformation of Co(II)/Ni(II) citrate imidazole ternary system synthesis, spectroscopic and structural studies. *Journal of Inorganic Biochemistry*, **2004**, 98, 1110-1116	4.2	12
27	Toward High Performance All-Solid-State Lithium Batteries with High-Voltage Cathode Materials: Design Strategies for Solid Electrolytes, Cathode Interfaces, and Composite Electrodes. *Advanced Energy Materials*, **2021**, 11, 2003154	21.8	12
26	Synergistic effect of composite carbon source and simple pre-calcining process on significantly enhanced electrochemical performance of porous LiFe0.5Mn0.5PO4/C agglomerations. *Electrochimica Acta*, **2019**, 314, 102-114	6.7	11
25	Biomass waste-derived nitrogen-rich hierarchical porous carbon offering superior capacitive behavior in an environmentally friendly aqueous MgSO electrolyte. *Journal of Colloid and Interface Science*, **2019**, 537, 475-485	9.3	10
24	LiF and LiNO3 as synergistic additives for PEO-PVDF/LLZTO-based composite electrolyte towards high-voltage lithium batteries with dual-interfaces stability. *Journal of Energy Chemistry*, **2022**, 65, 319-328	12	10
23	Toward a practical Li-S battery enabled by synergistic confinement of a nitrogen-enriched porous carbon as a multifunctional interlayer and sulfur-host material. *Journal of Electroanalytical Chemistry*, **2020**, 858, 113797	4.1	9
22	Aqua-S-citrato(2)manganese(II). *Acta Crystallographica Section E: Structure Reports Online*, **2003**, 59, m310-m312		8

21	A thin and multifunctional CoS@g-CN/Ketjen black interlayer deposited on polypropylene separator for boosting the performance of lithium-sulfur batteries. *Journal of Colloid and Interface Science*, **2022**, 608, 470-481	9.3	7
20	Supercritical-hydrothermal accelerated solid state reaction route for synthesis of LiMn2O4 cathode material for high-power Li-ion batteries. *Transactions of Nonferrous Metals Society of China*, **2014**, 24, 1414-1424	3.3	6
19	Importance of synergistic role of cobalt and aluminum on a greatly improved electrochemical performance of Li-rich oxyfluoride spinel at elevated-temperature. *Journal of Alloys and Compounds* , **2017**, 728, 612-622	5.7	6
18	Synthesis, structure, and properties of a binuclear Fe(III) complex with N-(1-propanol)-N,N-bis(3-tert-butyl-5-methyl-2-hydroxybenxyl)amine. *Transition Metal Chemistry*, **2010**, 35, 999-1003	2.1	6
17	The isolation and properties of an unexpected cyano-bridged complex [(H2O)CoII(dppm)2(□CN)CoIICl3] □C2H5OH. *Inorganic Chemistry Communication*, **2008**, 11, 681-683	3.1	6
16	A novel eutectic solvent precursor for efficiently preparing N-doped hierarchically porous carbon nanosheets with unique surface functional groups and micropores towards dual-carbon lithium-ion capacitors. *Journal of Materials Chemistry A*, **2021**, 9, 13631-13641	13	6
15	Understanding of the effect of nitrogen-doping level and micropore volume ratio on the capacitive performance of N,S-codoped hierarchically porous carbon. *Electrochimica Acta*, **2020**, 354, 136639	6.7	5
14	An Unprecedented Case: A Low Specific Surface Area Anatase/N-Doped Carbon Nanocomposite Derived from a New Single Source Precursor Affords Fast and Stable Lithium Storage. *ACS Applied Materials & Interfaces*, **2017**, 9, 28527-28536	9.5	4
13	The enhancement of rate and cycle performance of LiMn2O4 at elevated temperatures by the synergistic roles of porous structure and dual-cation doping. *Journal of Applied Electrochemistry*, **2018**, 48, 1083-1094	2.6	3
12	A water soluble electro-catalyst for generating hydrogen based on a cobalt(III) complex supported by 1,10-phenanthroline. *Chemical Physics Letters*, **2016**, 662, 152-155	2.5	3
11	A novel battery separator coated by a europium oxide/carbon nanocomposite enhances the performance of lithium sulfur batteries. *Nanoscale*, **2021**, 13, 16696-16704	7.7	3
10	Pd-catalyzed tandem homocoupling□aldol□dehydration of ortho-acylphenyl iodides. *RSC Advances*, **2014**, 4, 23595-23603	3.7	2
9	Synthesis of spinel LiMn2O4 microspheres with durable high rate capability. *Transactions of Nonferrous Metals Society of China*, **2012**, 22, 2541-2547	3.3	2
8	Hexaaquamagnesium bis{trans-[nitrilotriacetato(2□)-□O1,N,O2]-□xo-cis-dioxomolybdate(VI)} hexahydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2002**, 58, m22-m24		2
7	Cyclodextrin-Integrated PEO-Based Composite Solid Electrolytes for High-Rate and Ultrastable All-Solid-State Lithium Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 57380-57391	9.5	2
6	Anthraquinone-Based Covalent Organic Framework Nanosheets with Ordered Porous Structures for Highly Reversible Sodium Storage. *Energy & Fuels*, **2021**, 35, 1851-1858	4.1	2
5	The synergistic effect of P-doping and carbon coating for boosting electrochemical performance of TiO2 nanospheres for sodium-ion batteries. *Chinese Chemical Letters*, **2021**, 32, 3847-3847	8.1	2
4	Copper-Catalyzed Addition of Alkylboranes to Iminoacetates: Access to □Alkyl Branched □Amino Acids. *Advanced Synthesis and Catalysis*, **2016**, 358, 2497-2509	5.6	2

3	Understanding the Roles of Sulfur Doping for Enhancing of Hydrophilicity and Electrochemical Performance of N,S-Codoped Hierarchically Porous Carbon. *ACS Applied Energy Materials*, **2018**,	6.1	2
2	MXene Nanoflakes Confined in Multichannel Carbon Nanofibers as Electrocatalysts for Lithium–Sulfur Batteries. *Journal of Electrochemical Energy Conversion and Storage*, **2022**, 19,	2	1
1	Pentapotassium dicitrato(4-)manganate(III) pentahydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2003**, 59, m666-m668		