Cong Fan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6990416/publications.pdf

Version: 2024-02-01

64 papers	3,410 citations	136950 32 h-index	138484 58 g-index
67 all docs	67 docs citations	67 times ranked	4218 citing authors

#	Article	IF	Citations
1	Yellow/orange emissive heavy-metal complexes as phosphors in monochromatic and white organic light-emitting devices. Chemical Society Reviews, 2014, 43, 6439-6469.	38.1	401
2	Modulating Electronic Structures of Inorganic Nanomaterials for Efficient Electrocatalytic Water Splitting. Angewandte Chemie - International Edition, 2019, 58, 4484-4502.	13.8	340
3	Potassium salts of para-aromatic dicarboxylates as the highly efficient organic anodes for low-cost K-ion batteries. Nano Energy, 2017, 33, 350-355.	16.0	209
4	Phosphoryl/Sulfonyl-Substituted Iridium Complexes as Blue Phosphorescent Emitters for Single-Layer Blue and White Organic Light-Emitting Diodes by Solution Process. Chemistry of Materials, 2012, 24, 4581-4587.	6.7	138
5	Extremely Accessible Potassium Nitrate (KNO₃) as the Highly Efficient Electrolyte Additive in Lithium Battery. ACS Applied Materials & Interfaces, 2016, 8, 15399-15405.	8.0	123
6	Atomic Structure Modification for Electrochemical Nitrogen Reduction to Ammonia. Advanced Energy Materials, 2020, 10, 1903172.	19.5	110
7	Novel Insoluble Organic Cathodes for Advanced Organic Kâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 2000675.	14.9	110
8	Extending the High-Voltage Capacity of LiCoO₂ Cathode by Direct Coating of the Composite Electrode with Li₂CO₃ via Magnetron Sputtering. Journal of Physical Chemistry C, 2016, 120, 422-430.	3.1	97
9	Potassium perylene-tetracarboxylate with two-electron redox behaviors as a highly stable organic anode for K-ion batteries. Chemical Communications, 2019, 55, 1801-1804.	4.1	84
10	Improved high-voltage and high-temperature electrochemical performances of LiCoO2 cathode by electrode sputter-coating with Li3PO4. Journal of Power Sources, 2016, 322, 10-16.	7.8	78
11	Para-Conjugated Dicarboxylates with Extended Aromatic Skeletons as the Highly Advanced Organic Anodes for K-Ion Battery. ACS Applied Materials & Interfaces, 2017, 9, 27414-27420.	8.0	77
12	Using an Organic Molecule with Low Triplet Energy as a Host in a Highly Efficient Blue Electrophosphorescent Device. Angewandte Chemie - International Edition, 2014, 53, 2147-2151.	13.8	72
13	Using an organic acid as a universal anode for highly efficient Li-ion, Na-ion and K-ion batteries. Organic Electronics, 2018, 62, 536-541.	2.6	71
14	Tri-, Tetra- and Pentamers of 9,9â€²-Spirobifluorenes through Full ortho-Linkage: High Triplet-Energy Pure Hydrocarbon Host for Blue Phosphorescent Emitter. Organic Letters, 2010, 12, 5648-5651.	4.6	70
15	High Power Efficiency Yellow Phosphorescent OLEDs by Using New Iridium Complexes with Halogen-Substituted 2-Phenylbenzo[d]thiazole Ligands. Journal of Physical Chemistry C, 2013, 117, 19134-19141.	3.1	69
16	Simple Bipolar Molecules Constructed from Biphenyl Moieties as Host Materials for Deepâ€Blue Phosphorescent Organic Lightâ€Emitting Diodes. Chemistry - A European Journal, 2012, 18, 5510-5514.	3.3	63
17	Diarylmethylene-bridged triphenylamine derivatives encapsulated with fluorene: very high Tg host materials for efficient blue and green phosphorescent OLEDs. Journal of Materials Chemistry, 2010, 20, 3232.	6.7	60
18	Endowing CuTCNQ with a new role: a high-capacity cathode for K-ion batteries. Chemical Communications, 2018, 54, 5578-5581.	4.1	59

#	Article	IF	Citations
19	Tetraphenylsilane derivatives spiro-annulated by triphenylamine/carbazole with enhanced HOMO energy levels and glass transition temperatures without lowering triplet energy: host materials for efficient blue phosphorescent OLEDs. Journal of Materials Chemistry C, 2013, 1, 463-469.	5.5	57
20	Efficient solution-processed blue and white OLEDs based on a high-triplet bipolar host and a blue TADF emitter. Organic Electronics, 2018, 58, 276-282.	2.6	53
21	A small-molecule organic cathode with fast chargeâ€“discharge capability for K-ion batteries. Journal of Materials Chemistry A, 2019, 7, 20127-20131.	10.3	51
22	Pretreatment of Lithium Surface by Using Iodic Acid (HIO₃) To Improve Its Anode Performance in Lithium Batteries. ACS Applied Materials & Interfaces, 2017, 9, 7068-7074.	8.0	50
23	Organic Potassium Terephthalate (K2C8H4O4) with Stable Lattice Structure Exhibits Excellent Cyclic and Rate Capability in Li-ion Batteries. Electrochimica Acta, 2016, 222, 1086-1093.	5.2	48
24	Exploitation of redox-active 1,4-dicyanobenzene and 9,10-dicyanoanthracene as the organic electrode materials in rechargeable lithium battery. Electrochemistry Communications, 2017, 75, 29-32.	4.7	47
25	Silver Terephthalate (Ag 2 C 8 H 4 O 4) Offering in-situ Formed Metal/Organic Nanocomposite as the Highly Efficient Organic Anode in Li-ion and Na-ion Batteries. Electrochimica Acta, 2016, 219, 418-424.	5.2	43
26	Random terpolymer with a cost-effective monomer and comparable efficiency to PTB7-Th for bulk-heterojunction polymer solar cells. Polymer Chemistry, 2016, 7, 926-932.	3.9	43
27	Highly Stable and High Rateâ€Performance Naâ€Ion Batteries Using Polyanionic Anthraquinone as the Organic Cathode. ChemSusChem, 2019, 12, 2181-2185.	6.8	43
28	Investigating the Electrochemical Behavior of Cobalt(II) Terephthalate (CoC8H4O4) as the Organic Anode in K-ion Battery. Electrochimica Acta, 2017, 253, 333-338.	5.2	40
29	Ultra-Stable, Ultra-Long-Lifespan and Ultra-High-Rate Na-ion Batteries Using Small-Molecule Organic Cathodes. Energy Storage Materials, 2021, 41, 738-747.	18.0	40
30	Bridged triphenylamines as novel host materials for highly efficient blue and green phosphorescent OLEDs. Chemical Communications, 2009, , 3398.	4.1	39
31	Influence of ionic liquids on the direct electrochemistry of glucose oxidase entrapped in nanogold-N,N-dimethylformamide-ionic liquid composite film. Electrochimica Acta, 2007, 52, 6178-6185.	5.2	38
32	Modulierung der elektronischen Strukturen anorganischer Nanomaterialien fÃ¼r eine effiziente elektrokatalytische Wasserspaltung. Angewandte Chemie, 2019, 131, 4532-4551.	2.0	34
33	Ternary Organic Solar Cells with Coumarin7 as the Donor Exhibiting Greater Than 10% Power Conversion Efficiency and a High Fill Factor of 75%. ACS Applied Materials & Interfaces, 2017, 9, 29907-29916.	8.0	32
34	Preparation and characterization of flexible lithium iron phosphate/graphene/cellulose electrode for lithium ion batteries. Journal of Colloid and Interface Science, 2018, 512, 398-403.	9.4	32
35	Efficient Pt(<scp>ii</scp>) emitters assembled from neutral bipyridine and dianionic bipyrazolate: designs, photophysical characterization and the fabrication of non-doped OLEDs. Journal of Materials Chemistry C, 2015, 3, 10837-10847.	5.5	31
36	Highly efficient, solution-processed orangeâ€“red phosphorescent OLEDs by using new iridium phosphor with thieno[3,2-c]pyridine derivative as cyclometalating ligand. Organic Electronics, 2013, 14, 3392-3398.	2.6	29

#	Article	IF	Citations
37	Synthesis of 1,4-benzoquinone dimer as a high-capacity (501â€¯mAâ€¯h gâ^'1) and high-energy-density (>1000â€¯Wh kgâ^'1) organic cathode for organic Li-Ion full batteries. Journal of Power Sources, 2020, 448, 227456.	7.8	29
38	Novel low-cost, high-energy-density (>700ÂWhÂkgâ^'1) Li-rich organic cathodes for Li-ion batteries. Chemical Engineering Journal, 2021, 415, 128509.	12.7	29
39	A polyanionic organic cathode for highly efficient K-ion full batteries. Electrochemistry Communications, 2019, 105, 106509.	4.7	26
40	Longâ€lifespan Polyanionic Organic Cathodes for Highly Efficient Organic Sodiumâ€ion Batteries. ChemSusChem, 2020, 13, 1991-1996.	6.8	26
41	Strategy to Enhance the Cycling Stability of the Metallic Lithium Anode in Li-Metal Batteries. Nano Letters, 2021, 21, 1896-1901.	9.1	25
42	Sodium Titanate/Carbon (<scp>Na₂Ti₃O₇</scp>/C) Nanofibers via Electrospinning Technique as the Anode of Sodiumâ€ion Batteries. Chinese Journal of Chemistry, 2017, 35, 79-85.	4.9	24
43	Poly(N-vinylcarbazole) (PVK) as a high-potential organic polymer cathode for dual-intercalation Na-ion batteries. Organic Electronics, 2019, 75, 105386.	2.6	23
44	In Situ Electrochemical Synthesis of Novel Lithium-Rich Organic Cathodes for All-Organic Li-Ion Full Batteries. ACS Applied Materials & Interfaces, 2019, 11, 32987-32993.	8.0	21
45	High efficiency blue PhOLEDs using spiro-annulated triphenylamine/fluorene hybrids as host materials with high triplet energy, high HOMO level and high T g. Organic Electronics, 2014, 15, 3568-3576.	2.6	20
46	Insoluble small-molecule organic cathodes for highly efficient pure-organic Li-ion batteries. Green Chemistry, 2021, 23, 6090-6100.	9.0	19
47	One-step synthesis of novel poly(terephthalate-alt-benzoquinone) with high specific capacity as a stable organic cathode for Li-ion batteries. New Journal of Chemistry, 2017, 41, 14539-14544.	2.8	18
48	Electrolyte Effect on a Polyanionic Organic Anode for Pure Organic K-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 38315-38324.	8.0	17
49	Synthesis of polyanionic anthraquinones as new insoluble organic cathodes for organic Na-ion batteries. International Journal of Hydrogen Energy, 2020, 45, 24573-24581.	7.1	15
50	Cost-effective synthesis of Î±-carboline/pyridine hybrid bipolar host materials with improved electron-transport ability for efficient blue phosphorescent OLEDs. RSC Advances, 2015, 5, 65481-65486.	3.6	12
51	Highly twisted organic molecules with ortho linkage as the efficient bipolar hosts for sky-blue thermally activated delayed fluorescence emitter in OLEDs. Organic Electronics, 2017, 50, 153-160.	2.6	12
52	Benzene-bridged anthraquinones as a high-rate and long-lifespan organic cathode for advanced Na-ion batteries. Chemical Engineering Journal, 2021, 426, 131251.	12.7	12
53	Insoluble polyanionic anthraquinones with two strong ionic O-K bonds as stable organic cathodes for pure organic K-ion batteries. Science China Materials, 2021, 64, 1598-1608.	6.3	12
54	Phenanthraquinone-based polymer organic cathodes for highly efficient Na-ion batteries. Chemical Engineering Journal, 2022, 449, 137745.	12.7	12

#	Article	IF	Citations
55	Enhanced reversibility and electrochemical performances of mechanically alloyed Cu₃P achieved by Fe addition. RSC Advances, 2016, 6, 26800-26808.	3.6	11
56	Efficient blue and bluish-green iridium phosphors: Fine-tuning emissions of FIrpic by halogen substitution on pyridine-containing ligands. Organic Electronics, 2013, 14, 3163-3171.	2.6	9
57	Electrochemically manipulating the redox state of 2,2â€²,5,5â€²-tetrahydroxybiphenyl as a new organic Li-rich cathode for Li-ion batteries. Organic Electronics, 2020, 81, 105661.	2.6	8
58	Silver-mediated calcium terephthalate with enhanced electronic conductivity as an organic anode for efficient Li-ion batteries. RSC Advances, 2016, 6, 29404-29409.	3.6	7
59	Cation-adsorption-assisted Ni3S2/carbon nanowalls composites with three-dimensional interconnected porous structures for high-performance lithium-ion battery anodes. Journal of Materials Science, 2020, 55, 17081-17093.	3.7	7
60	A Lowâ€Cost Naâ€Ion and Kâ€Ion Batteries Using a Common Organic Cathode and Bismuth Anode. ChemSusChem, 2021, 14, 3815-3820.	6.8	7
61	Long lifespan organic K-ion batteries with working voltage above 2ÂV in ether electrolytes. Electrochimica Acta, 2021, 365, 137365.	5.2	5
62	A polyanionic anthraquinone organic cathode for pure small-molecule organic Li-ion batteries. International Journal of Hydrogen Energy, 2021, 46, 36801-36810.	7.1	5
63	A yellow organic emitter with novel D-A3 architecture and hidden delayed fluorescence for highly efficient monochromatic OLEDs. Organic Electronics, 2019, 73, 102-108.	2.6	1
64	Improved performance of LiCoO₂ cathode enabled by electrode sputtering coating with Al₂O₃. , 2016, , .		0