Ming Shen

List of Publications by Year
in descending order

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75 papers	2,447 citations	159585 30 h-index	223800 46 g-index
76 all docs	76 docs citations	76 times ranked	2570 citing authors

#	Article	IF	Citations
1	The study of electrochemical cycle for LiCoO2 by dual-mode EPR. Magnetic Resonance Letters, 2023, 3, 61-66.	1.3	4
2	Collapse arrest in a two-dimensional Airy Gaussian beam and Airy Gaussian vortex beam in nonlocal nonlinear media. Communications in Theoretical Physics, 2022, 74, 025501.	2.5	7
3	Tailoring Anionic Redox Activity in a P2-Type Sodium Layered Oxide Cathode via Cu Substitution. ACS Applied Materials & Interfaces, 2022, 14, 28738-28747.	8.0	18
4	Operando EPR and EPR Imaging Study on a NaCrO₂ Cathode: Electronic Property and Structural Degradation with Cr Dissolution. Journal of Physical Chemistry Letters, 2021, 12, 781-786.	4.6	19
5	Melatonin Alleviates Hypoxia-Induced Apoptosis of Granulosa Cells by Reducing ROS and Activating MTNR1Bâ€“PKAâ€“Caspase8/9 Pathway. Antioxidants, 2021, 10, 184.	5.1	14
6	Melatonin Represses Mitophagy to Protect Mouse Granulosa Cells from Oxidative Damage. Biomolecules, 2021, 11, 968.	4.0	21
7	Effect of Exogenous Melatonin on the Development of Mice Ovarian Follicles and Follicular Angiogenesis. International Journal of Molecular Sciences, 2021, 22, 11262.	4.1	10
8	A multifunctional manipulation to stabilize oxygen redox and phase transition in 4.6 V high-voltage LiCoO2 with sXAS and EPR studies. Journal of Power Sources, 2021, 516, 230661.	7.8	17
9	A rings-in-pores net: crown ether-based covalent organic frameworks for phase-transfer catalysis. Chemical Communications, 2020, 56, 595-598.	4.1	39
10	Anionic redox reactions and structural degradation in a cation-disordered rock-salt Li_{1.2}Ti_{0.4}Mn_{0.4}O₂ cathode material revealed by solid-state NMR and EPR. Journal of Materials Chemistry A, 2020, 8, 16515-16526.	10.3	37
11	Deciphering the Origin of High Electrochemical Performance in a Novel Ti-Substituted P2/O3 Biphasic Cathode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 41485-41494.	8.0	31
12	Elliptic fundamental, dipole and vortex solitons in nonlocal nonlinear media with linear anisotropic diffraction. Journal of Optics (United Kingdom), 2020, 22, 025502.	2.2	9
13	Simple Transformation of Covalent Organic Frameworks to Highly Proton-Conductive Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 8198-8205.	8.0	51
14	Unraveling the Critical Role of Ti Substitution in P₂-Na_xLi_yMn_{1â€“y}O₂ Cathodes for Highly Reversible Oxygen Redox Chemistry. Chemistry of Materials, 2020, 32, 1054-1063.	6.7	74
15	Superionic Conductors via Bulk Interfacial Conduction. Journal of the American Chemical Society, 2020, 142, 18035-18041.	13.7	101
16	Monitoring the evolution of local oxygen environments during LiCoO₂ charging via ex situ ¹⁷O NMR. Chemical Communications, 2019, 55, 7550-7553.	4.1	21
17	Retarding Phase Transformation During Cycling in a Lithiumâ€•and Manganeseâ€Rich Cathode Material by Optimizing Synthesis Conditions. ChemElectroChem, 2019, 6, 1385-1392.	3.4	8
18	Reversible High-Voltage N-Redox Chemistry in Metalâ€“Organic Frameworks for High-Rate Anion-Intercalation Batteries. ACS Applied Energy Materials, 2019, 2, 413-419.	5.1	14

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19	Exploring the Capacity Limit: A Layered Hexacarboxylate-Based Metalâ€“Organic Framework for Advanced Lithium Storage. Inorganic Chemistry, 2018, 57, 3126-3132.	4.0	41
20	A new insight into the lithium storage mechanism of sulfurized polyacrylonitrile with no soluble intermediates. Energy Storage Materials, 2018, 14, 272-278.	18.0	140
21	High-energy nanostructured Na₃V₂(PO₄)₂O_{1.6}F_{1.4} cathodes for sodium-ion batteries and a new insight into their redox chemistry. Journal of Materials Chemistry A, 2018, 6, 8340-8348.	10.3	39
22	Carbon-coated Li3V2(PO4)3 derived from metal-organic framework as cathode for lithium-ion batteries with high stability. Electrochimica Acta, 2018, 271, 608-616.	5.2	52
23	The electrochemical Na intercalation/extraction mechanism of ultrathin cobalt(II) terephthalate-based MOF nanosheets revealed by synchrotron X-ray absorption spectroscopy. Energy Storage Materials, 2018, 14, 82-89.	18.0	35
24	Unraveling the Redox Couples of V^{III}/V^{IV} Mixed-Valent Na₃V₂(PO₄)₂O_{1.6}F_{1.4} Cathode by Parallel-Mode EPR and In Situ/Ex Situ NMR. Journal of Physical Chemistry C, 2018, 122, 27224-27232.	3.1	35
25	Guided modes of surface plasmon polaritons in linear dielectricâ€“metalâ€“nonlinear dielectric waveguide. Optik, 2018, 174, 216-220.	2.9	0
26	High-fidelity spectroscopy reconstruction in accelerated NMR. Chemical Communications, 2018, 54, 10958-10961.	4.1	9
27	Reduction of the 13C cross-polarization experimental time for pharmaceutical samples with long T1 by ball milling in solid-state NMR. Solid State Nuclear Magnetic Resonance, 2018, 94, 20-25.	2.3	6
28	Incoherent interactions of Airy beams in nonlocal nonlinear media. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 165401.	1.5	12
29	Room-temperature synthesis of a cobalt 2,3,5,6-tetrafluoroterephthalic coordination polymer with enhanced capacity and cycling stability for lithium batteries. New Journal of Chemistry, 2017, 41, 1813-1819.	2.8	31
30	Mesoporous cobalt 2,5-thiophenedicarboxylic coordination polymer for high performance Na-ion batteries. Materials Letters, 2017, 197, 245-248.	2.6	15
31	High-capacity cobalt-based coordination polymer nanorods and their redox chemistry triggered by delocalization of electron spins. Energy Storage Materials, 2017, 7, 195-202.	18.0	28
32	Highly reversible lithium storage in cobalt 2,5-dioxido-1,4-benzenedicarboxylate metal-organic frameworks boosted by pseudocapacitance. Journal of Colloid and Interface Science, 2017, 506, 365-372.	9.4	31
33	Ultrathin Manganese-Based Metalâ€“Organic Framework Nanosheets: Low-Cost and Energy-Dense Lithium Storage Anodes with the Coexistence of Metal and Ligand Redox Activities. ACS Applied Materials & Interfaces, 2017, 9, 29829-29838.	8.0	131
34	ECNU-10 zeolite: A three-dimensional MWW-Type analogue. Microporous and Mesoporous Materials, 2017, 253, 137-145.	4.4	10
35	Suppression of collapse for two-dimensional Airy beam in nonlocal nonlinear media. Scientific Reports, 2017, 7, 4198.	3.3	12
36	Alâ€doped SBAâ€15 Catalysts for Lowâ€temperature Dehydration of 1,3â€Butanediol into Butadiene. ChemCatChem, 2017, 9, 258-262.	3.7	25

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37	Facile synthesis of the Basolite F300-like nanoscale Fe-BTC framework and its lithium storage properties. RSC Advances, 2016, 6, 114483-114490.	3.6	79
38	Broad-band excitation in indirectly detected 14 N overtone spectroscopy with composite pulses. Solid State Nuclear Magnetic Resonance, 2016, 78, 5-8.	2.3	11
39	Capacity control of ferric coordination polymers by zinc nitrate for lithium-ion batteries. RSC Advances, 2016, 6, 86126-86130.	3.6	42
40	The organic-moiety-dominated Li⁺ intercalation/deintercalation mechanism of a cobalt-based metalâ€“organic framework. Journal of Materials Chemistry A, 2016, 4, 16245-16251.	10.3	116
41	A thermally activated manganese 1,4-benzenedicarboxylate metal organic framework with high anodic capability for Li-ion batteries. New Journal of Chemistry, 2016, 40, 9746-9752.	2.8	104
42	Elimination of the baseline distortions in WURST-CPMG static experiments. Solid State Nuclear Magnetic Resonance, 2016, 78, 1-4.	2.3	2
43	Control on the anomalous interactions of Airy beams in nematic liquid crystals. Optics Express, 2016, 24, 8501.	3.4	39
44	High Anodic Performance of Co 1,3,5-Benzenetricarboxylate Coordination Polymers for Li-Ion Battery. ACS Applied Materials & Interfaces, 2016, 8, 15352-15360.	8.0	181
45	Reversible lithium storage in manganese and cobalt 1,2,4,5-benzenetetracarboxylate metalâ€“organic framework with high capacity. RSC Advances, 2016, 6, 61319-61324.	3.6	45
46	Solitons shedding from Airy beams and bound states of breathing Airy solitons in nonlocal nonlinear media. Scientific Reports, 2015, 5, 9814.	3.3	76
47	Solid-state NMR indirect detection of nuclei experiencing large anisotropic interactions using spinning sideband-selective pulses. Solid State Nuclear Magnetic Resonance, 2015, 72, 104-117.	2.3	25
48	Revisiting NMR composite pulses for broadband 2 H excitation. Solid State Nuclear Magnetic Resonance, 2015, 66-67, 45-48.	2.3	9
49	Stability of optical solitons in parity-time-symmetric optical lattices with competing cubic and quintic nonlinearities. Physical Review E, 2015, 91, 023203.	2.1	23
50	The interaction of dark solitons with competing nonlocal cubic nonlinearities. Journal of Optics (India), 2015, 44, 271-280.	1.7	10
51	Comparison of various NMR methods for the indirect detection of nitrogen-14 nuclei via protons in solids. Journal of Magnetic Resonance, 2015, 258, 86-95.	2.1	18
52	Tunneling modes and giant Goosâ€“HÃnchen effect of a symmetric heterostructure containing negative-zero-positive index metamaterials. Applied Physics B: Lasers and Optics, 2015, 120, 69-73.	2.2	5
53	Observation of 1Hâ€“13C and 1Hâ€“1H proximities in a paramagnetic solid by NMR at high magnetic field under ultra-fast MAS. Journal of Magnetic Resonance, 2015, 251, 36-42.	2.1	8
54	Interactions of nonlocal dark solitons under competing cubicâ€“quintic nonlinearities. Optics Letters, 2014, 39, 1764.	3.3	50

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55	Stabilization of vortex solitons by combining competing cubic-quintic nonlinearities with a finite degree of nonlocality. Physical Review A, 2014, 89, .	2.5	35
56	The dependence of signal-to-noise ratio on number of scans in covariance spectroscopy. Solid State Nuclear Magnetic Resonance, 2014, 59-60, 31-33.	2.3	7
57	Probing Local Structure of Layered Double Hydroxides with ¹H Solid-State NMR Spectroscopy on Deuterated Samples. Journal of Physical Chemistry Letters, 2014, 5, 363-369.	4.6	16
58	Polymer chain diffusion and Li + hopping of poly(ethylene oxide)/LiAsF 6 crystalline polymer electrolytes as studied by solid state NMR and ac impedance. Solid State Ionics, 2014, 255, 74-79.	2.7	31
59	Hostâ€"Guest Interactions in Dealuminated HY Zeolite Probed by ¹³Câ€"²⁷Al Solid-State NMR Spectroscopy. Journal of Physical Chemistry Letters, 2014, 5, 3068-3072.	4.6	31
60	The phase structure, chain diffusion motion and local reorientation motion: 13C Solid-state NMR study on the highly-crystalline solid polymer electrolytes. Polymer, 2014, 55, 5454-5459.	3.8	8
61	Improving the resolution in proton-detected through-space heteronuclear multiple quantum correlation NMR spectroscopy. Journal of Magnetic Resonance, 2014, 245, 38-49.	2.1	20
62	Exploring various modulation-sideband recoupling conditions of SHA+ sequence at fast MAS. Solid State Nuclear Magnetic Resonance, 2013, 55-56, 42-47.	2.3	5
63	Dark solitons in nonlocal media with competing nonlinearities. Physical Review A, 2013, 87, .	2.5	32
64	A facile route for preparing a mesoporous palladium coordination polymer as a recyclable heterogeneous catalyst. Dalton Transactions, 2012, 41, 4692.	3.3	23
65	Broadband finite-pulse radio-frequency-driven recoupling (fp-RFDR) with (XY8)41 super-cycling for homo-nuclear correlations in very high magnetic fields at fast and ultra-fast MAS frequencies. Journal of Magnetic Resonance, 2012, 223, 107-119.	2.1	37
66	Tunable band gap near the Dirac point in nonlinear negative-zero-positive index metamaterial waveguide. Physical Review A, 2011, 83, .	2.5	20
67	Dipole solitons in nonlocal nonlinear media with anisotropy. Optics Communications, 2011, 284, 2351-2356.	2.1	16
68	Instability suppression of clusters of vector-necklace-ring solitons in nonlocal media. Physical Review A, 2011, 83, .	2.5	33
69	Guided modes near the Dirac point in negative-zero-positive index metamaterial waveguide. Optics Express, 2010, 18, 12779.	3.4	26
70	Tunable lateral shift and polarization beam splitting of the transmitted light beam through electro-optic crystals. Journal of Applied Physics, 2008, 104, .	2.5	35
71	Goos-Hiichen shifts for a one-dimensional photonic crystal with a nonlinear defect. , 2006, , .		0
72	Incoherent accessible white-light solitons in strongly nonlocal Kerr media. Physical Review E, 2006, 74, 027601.	2.1	13

#	Article	IF	Citations
73	Partially coherent accessible solitons in strongly nonlocal media. Physical Review E, 2006, 73, 056602.	2.1	29
74	The analyses of negative refraction in finite one-dimensional photonic crystals. , 2006, , .		0
75	Nonlocal incoherent white-light solitons in logarithmically nonlinear media. Physical Review E, 2005, 72, 026604.	2.1	38