

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
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76
all docs

76
docs citations

76
times ranked

2570
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Ultrathin Manganese-Based Metal-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
4	The organic-moiety-dominated Li ⁺ intercalation/deintercalation mechanism of a cobalt-based metal-organic framework. Journal of Materials Chemistry A, 2016, 4, 16245-16251.	10.3	116
5	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
6	Superionic Conductors via Bulk Interfacial Conduction. Journal of the American Chemical Society, 2020, 142, 18035-18041.	13.7	101
7	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
8	Solitons shedding from Airy beams and bound states of breathing Airy solitons in nonlocal nonlinear media. Scientific Reports, 2015, 5, 9814.	3.3	76
9	Unraveling the Critical Role of Ti Substitution in P ₂ -Na _x Li _y MnO ₂ Cathodes for Highly Reversible Oxygen Redox Chemistry. Chemistry of Materials, 2020, 32, 1054-1063.	6.7	74
10	Carbon-coated Li ₃ V ₂ (PO ₄) ₃ derived from metal-organic framework as cathode for lithium-ion batteries with high stability. Electrochimica Acta, 2018, 271, 608-616.	5.2	52
11	Simple Transformation of Covalent Organic Frameworks to Highly Proton-Conductive Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 8198-8205.	8.0	51
12	Interactions of nonlocal dark solitons under competing cubic-quintic nonlinearities. Optics Letters, 2014, 39, 1764.	3.3	50
13	Reversible lithium storage in manganese and cobalt 1,2,4,5-benzenetetracarboxylate metal-organic framework with high capacity. RSC Advances, 2016, 6, 61319-61324.	3.6	45
14	Capacity control of ferric coordination polymers by zinc nitrate for lithium-ion batteries. RSC Advances, 2016, 6, 86126-86130.	3.6	42
15	Exploring the Capacity Limit: A Layered Hexacarboxylate-Based Metal-Organic Framework for Advanced Lithium Storage. Inorganic Chemistry, 2018, 57, 3126-3132.	4.0	41
16	Control on the anomalous interactions of Airy beams in nematic liquid crystals. Optics Express, 2016, 24, 8501.	3.4	39
17	High-energy nanostructured Na ₃ V ₂ (PO ₄) ₂ O _{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
18	A rings-in-pores net: crown ether-based covalent organic frameworks for phase-transfer catalysis. Chemical Communications, 2020, 56, 595-598.	4.1	39

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19	Nonlocal incoherent white-light solitons in logarithmically nonlinear media. <i>Physical Review E</i> , 2005, 72, 026604.	2.1	38
20	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. <i>Journal of Magnetic Resonance</i> , 2012, 223, 107-119.	2.1	37
21	Anionic redox reactions and structural degradation in a cation-disordered rock-salt Li _{1.2} Ti _{0.4} Mn _{0.4} O ₂ cathode material revealed by solid-state NMR and EPR. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16515-16526.	10.3	37
22	Tunable lateral shift and polarization beam splitting of the transmitted light beam through electro-optic crystals. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	35
23	Stabilization of vortex solitons by combining competing cubic-quintic nonlinearities with a finite degree of nonlocality. <i>Physical Review A</i> , 2014, 89, .	2.5	35
24	The electrochemical Na intercalation/extraction mechanism of ultrathin cobalt(II) terephthalate-based MOF nanosheets revealed by synchrotron X-ray absorption spectroscopy. <i>Energy Storage Materials</i> , 2018, 14, 82-89.	18.0	35
25	Unraveling the Redox Couples of V ^{III} /V ^{IV} Mixed-Valent Na ₃ V ₂ (PO ₄) ₂ O _{1.6} F _{1.4} Cathode by Parallel-Mode EPR and In Situ/Ex Situ NMR. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27224-27232.	3.1	35
26	Instability suppression of clusters of vector-necklace-ring solitons in nonlocal media. <i>Physical Review A</i> , 2011, 83, .	2.5	33
27	Dark solitons in nonlocal media with competing nonlinearities. <i>Physical Review A</i> , 2013, 87, .	2.5	32
28	Polymer chain diffusion and Li ⁺ hopping of poly(ethylene oxide)/LiAsF ₆ crystalline polymer electrolytes as studied by solid state NMR and ac impedance. <i>Solid State Ionics</i> , 2014, 255, 74-79.	2.7	31
29	Host-Guest Interactions in Dealuminated HY Zeolite Probed by ¹³ C- ²⁷ Al Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3068-3072.	4.6	31
30	Room-temperature synthesis of a cobalt 2,3,5,6-tetrafluoroterephthalic coordination polymer with enhanced capacity and cycling stability for lithium batteries. <i>New Journal of Chemistry</i> , 2017, 41, 1813-1819.	2.8	31
31	Highly reversible lithium storage in cobalt 2,5-dioxido-1,4-benzenedicarboxylate metal-organic frameworks boosted by pseudocapacitance. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 365-372.	9.4	31
32	Deciphering the Origin of High Electrochemical Performance in a Novel Ti-Substituted P2/O3 Biphasic Cathode for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41485-41494.	8.0	31
33	Partially coherent accessible solitons in strongly nonlocal media. <i>Physical Review E</i> , 2006, 73, 056602.	2.1	29
34	High-capacity cobalt-based coordination polymer nanorods and their redox chemistry triggered by delocalization of electron spins. <i>Energy Storage Materials</i> , 2017, 7, 195-202.	18.0	28
35	Guided modes near the Dirac point in negative-zero-positive index metamaterial waveguide. <i>Optics Express</i> , 2010, 18, 12779.	3.4	26
36	Solid-state NMR indirect detection of nuclei experiencing large anisotropic interactions using spinning sideband-selective pulses. <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 72, 104-117.	2.3	25

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37	Al ³⁺ -Doped SBA-15 Catalysts for Low-Temperature Dehydration of 1,3-Butanediol into Butadiene. <i>ChemCatChem</i> , 2017, 9, 258-262.	3.7	25
38	A facile route for preparing a mesoporous palladium coordination polymer as a recyclable heterogeneous catalyst. <i>Dalton Transactions</i> , 2012, 41, 4692.	3.3	23
39	Stability of optical solitons in parity-time-symmetric optical lattices with competing cubic and quintic nonlinearities. <i>Physical Review E</i> , 2015, 91, 023203.	2.1	23
40	Monitoring the evolution of local oxygen environments during LiCoO ₂ charging <i>via</i> ex situ ¹⁷ O NMR. <i>Chemical Communications</i> , 2019, 55, 7550-7553.	4.1	21
41	Melatonin Represses Mitophagy to Protect Mouse Granulosa Cells from Oxidative Damage. <i>Biomolecules</i> , 2021, 11, 968.	4.0	21
42	Tunable band gap near the Dirac point in nonlinear negative-zero-positive index metamaterial waveguide. <i>Physical Review A</i> , 2011, 83, .	2.5	20
43	Improving the resolution in proton-detected through-space heteronuclear multiple quantum correlation NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2014, 245, 38-49.	2.1	20
44	Operando EPR and EPR Imaging Study on a NaCrO ₂ Cathode: Electronic Property and Structural Degradation with Cr Dissolution. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 781-786.	4.6	19
45	Comparison of various NMR methods for the indirect detection of nitrogen-14 nuclei via protons in solids. <i>Journal of Magnetic Resonance</i> , 2015, 258, 86-95.	2.1	18
46	Tailoring Anionic Redox Activity in a P2-Type Sodium Layered Oxide Cathode via Cu Substitution. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28738-28747.	8.0	18
47	A multifunctional manipulation to stabilize oxygen redox and phase transition in 4.6 V high-voltage LiCoO ₂ with sXAS and EPR studies. <i>Journal of Power Sources</i> , 2021, 516, 230661.	7.8	17
48	Dipole solitons in nonlocal nonlinear media with anisotropy. <i>Optics Communications</i> , 2011, 284, 2351-2356.	2.1	16
49	Probing Local Structure of Layered Double Hydroxides with ¹ H Solid-State NMR Spectroscopy on Deuterated Samples. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 363-369.	4.6	16
50	Mesoporous cobalt 2,5-thiophenedicarboxylic coordination polymer for high performance Na-ion batteries. <i>Materials Letters</i> , 2017, 197, 245-248.	2.6	15
51	Reversible High-Voltage N-Redox Chemistry in Metal-Organic Frameworks for High-Rate Anion-Intercalation Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 413-419.	5.1	14
52	Melatonin Alleviates Hypoxia-Induced Apoptosis of Granulosa Cells by Reducing ROS and Activating MTNR1B- ¹ PKA-Caspase8/9 Pathway. <i>Antioxidants</i> , 2021, 10, 184.	5.1	14
53	Incoherent accessible white-light solitons in strongly nonlocal Kerr media. <i>Physical Review E</i> , 2006, 74, 027601.	2.1	13
54	Suppression of collapse for two-dimensional Airy beam in nonlocal nonlinear media. <i>Scientific Reports</i> , 2017, 7, 4198.	3.3	12

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55	Incoherent interactions of Airy beams in nonlocal nonlinear media. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 165401.	1.5	12
56	Broad-band excitation in indirectly detected ^{14}N overtone spectroscopy with composite pulses. <i>Solid State Nuclear Magnetic Resonance</i> , 2016, 78, 5-8.	2.3	11
57	The interaction of dark solitons with competing nonlocal cubic nonlinearities. <i>Journal of Optics (India)</i> , 2015, 44, 271-280.	1.7	10
58	ECNU-10 zeolite: A three-dimensional MWW-Type analogue. <i>Microporous and Mesoporous Materials</i> , 2017, 253, 137-145.	4.4	10
59	Effect of Exogenous Melatonin on the Development of Mice Ovarian Follicles and Follicular Angiogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11262.	4.1	10
60	Revisiting NMR composite pulses for broadband ^2H excitation. <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 66-67, 45-48.	2.3	9
61	High-fidelity spectroscopy reconstruction in accelerated NMR. <i>Chemical Communications</i> , 2018, 54, 10958-10961.	4.1	9
62	Elliptic fundamental, dipole and vortex solitons in nonlocal nonlinear media with linear anisotropic diffraction. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 025502.	2.2	9
63	The phase structure, chain diffusion motion and local reorientation motion: ^{13}C Solid-state NMR study on the highly-crystalline solid polymer electrolytes. <i>Polymer</i> , 2014, 55, 5454-5459.	3.8	8
64	Observation of ^1H - ^{13}C and ^1H - ^1H proximities in a paramagnetic solid by NMR at high magnetic field under ultra-fast MAS. <i>Journal of Magnetic Resonance</i> , 2015, 251, 36-42.	2.1	8
65	Retarding Phase Transformation During Cycling in a Lithium- and Manganese-Rich Cathode Material by Optimizing Synthesis Conditions. <i>ChemElectroChem</i> , 2019, 6, 1385-1392.	3.4	8
66	The dependence of signal-to-noise ratio on number of scans in covariance spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , 2014, 59-60, 31-33.	2.3	7
67	Collapse arrest in a two-dimensional Airy Gaussian beam and Airy Gaussian vortex beam in nonlocal nonlinear media. <i>Communications in Theoretical Physics</i> , 2022, 74, 025501.	2.5	7
68	Reduction of the ^{13}C cross-polarization experimental time for pharmaceutical samples with long T_1 by ball milling in solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2018, 94, 20-25.	2.3	6
69	Exploring various modulation-sideband recoupling conditions of SHA+ sequence at fast MAS. <i>Solid State Nuclear Magnetic Resonance</i> , 2013, 55-56, 42-47.	2.3	5
70	Tunneling modes and giant Goos-Hänchen effect of a symmetric heterostructure containing negative-zero-positive index metamaterials. <i>Applied Physics B: Lasers and Optics</i> , 2015, 120, 69-73.	2.2	5
71	The study of electrochemical cycle for LiCoO_2 by dual-mode EPR. <i>Magnetic Resonance Letters</i> , 2023, 3, 61-66.	1.3	4
72	Elimination of the baseline distortions in WURST-CPMG static experiments. <i>Solid State Nuclear Magnetic Resonance</i> , 2016, 78, 1-4.	2.3	2

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73	Goos-Hüchen shifts for a one-dimensional photonic crystal with a nonlinear defect. , 2006, , .		0
74	The analyses of negative refraction in finite one-dimensional photonic crystals. , 2006, , .		0
75	Guided modes of surface plasmon polaritons in linear dielectricâ€metalâ€nonlinear dielectric waveguide. Optik, 2018, 174, 216-220.	2.9	0