

List of Publications by Year in descending order

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364
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#	ARTICLE	IF	CITATIONS
1	Momentum-resolved resonant inelastic soft X-ray scattering (qRIXS) endstation at the ALS. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2022, 257, 146897.	0.8	8
2	Safe and Energy-Efficient Car-Following Control Strategy for Intelligent Electric Vehicles Considering Regenerative Braking. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 7070-7081.	4.7	26
3	From inert gas to fertilizer, fuel and fine chemicals: N ₂ reduction and fixation. <i>Catalysis Today</i> , 2022, 387, 186-196.	2.2	4
4	Mismatching integration-enabled strains and defects engineering in LDH microstructure for high-rate and long-life charge storage. <i>Nature Communications</i> , 2022, 13, 1409.	5.8	42
5	Reversible dehydrogenation and rehydrogenation of cyclohexane and methylcyclohexane by single-site platinum catalyst. <i>Nature Communications</i> , 2022, 13, 1092.	5.8	41
6	Enhancing the Reversibility of Lattice Oxygen Redox Through Modulated Transition Metal–Oxygen Covalency for Layered Battery Electrodes. <i>Advanced Materials</i> , 2022, 34, e2201152.	11.1	49
7	Digging deeper: Buried layers and interfaces studied by modified total electron yield and soft x-ray absorption spectroscopy. <i>Applied Physics Letters</i> , 2022, 120, 181601.	1.5	0
8	RISE-Based Integrated Motion Control of Autonomous Ground Vehicles With Asymptotic Prescribed Performance. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 5336-5348.	5.9	44
9	Carbon decorated Li ₃ V ₂ (PO ₄) ₃ for high-rate lithium-ion batteries: Electrochemical performance and charge compensation mechanism. <i>Journal of Energy Chemistry</i> , 2021, 53, 124-131.	7.1	23
10	Unraveling Shuttle Effect and Suppression Strategy in Lithium/Sulfur Cells by In Situ/Operando X-ray Absorption Spectroscopic Characterization. <i>Energy and Environmental Materials</i> , 2021, 4, 222-228.	7.3	31
11	Oxygen evolution reaction over catalytic single-site Co in a well-defined brookite TiO ₂ nanorod surface. <i>Nature Catalysis</i> , 2021, 4, 36-45.	16.1	189
12	Deciphering the Oxygen Absorption Pre-edge: A Caveat on its Application for Probing Oxygen Redox Reactions in Batteries. <i>Energy and Environmental Materials</i> , 2021, 4, 246-254.	7.3	56
13	Spectroscopic Determination of Key Energy Scales for the Base Hamiltonian of Chromium Trihalides. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 724-731.	2.1	3
14	Spectroscopic characterization of electronic structures of ultra-thin single crystal La _{0.7} Sr _{0.3} MnO ₃ . <i>Scientific Reports</i> , 2021, 11, 5250.	1.6	10
15	In Situ/Operando (Soft) X-ray Spectroscopy Study of Beyond Lithium-ion Batteries. <i>Energy and Environmental Materials</i> , 2021, 4, 139-157.	7.3	26
16	MoS ₂ for beyond lithium-ion batteries. <i>APL Materials</i> , 2021, 9, .	2.2	22
17	Insights into the Mechanism of Methanol Steam Reforming Tandem Reaction over CeO ₂ Supported Single-Site Catalysts. <i>Journal of the American Chemical Society</i> , 2021, 143, 12074-12081.	6.6	70
18	Carbon Lattice Structures in Nitrogen-Doped Reduced Graphene Oxide: Implications for Carbon-Based Electrical Conductivity. <i>ACS Applied Nano Materials</i> , 2021, 4, 7897-7904.	2.4	14

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19	In situ/operando soft x-ray spectroscopy of chemical interfaces in gas and liquid environments. MRS Bulletin, 2021, 46, 747-754.	1.7	2
20	Takagi Sugenô Sugeno Fuzzy-Based Robust H_{∞} Integrated Lane-Keeping and Direct Yaw Moment Controller of Unmanned Electric Vehicles. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2151-2162.	3.7	27
21	Operando leaching of pre-incorporated Al and mechanism in transition-metal hybrids on carbon substrates for enhanced charge storage. Matter, 2021, 4, 2902-2918.	5.0	22
22	Distinct Oxygen Redox Activities in Li_2MO_3 (M = Mn, Ru, Ir). ACS Energy Letters, 2021, 6, 3417-3424.	8.8	33
23	Additive Destabilization of Porous Magnesium Borohydride Framework with Core-Shell Structure. Small, 2021, 17, e2101989.	5.2	6
24	Neural-Fuzzy-Based Adaptive Sliding Mode Automatic Steering Control of Vision-based Unmanned Electric Vehicles. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	1.9	6
25	Lessons learned from $FeSb_2O_4$ on stereoactive lone pairs as a design principle for anion insertion. Cell Reports Physical Science, 2021, 2, 100592.	2.8	3
26	Trace Key Mechanistic Features of the Arsenite Sequestration Reaction with Nanoscale Zerovalent Iron. Journal of the American Chemical Society, 2021, 143, 16538-16548.	6.6	12
27	Reversible function switching of Ag catalyst in Mg/S battery with chloride-containing electrolyte. Energy Storage Materials, 2021, 42, 513-516.	9.5	9
28	Electronic surface reconstruction of TiO_2 nanocrystals revealed by resonant inelastic x-ray scattering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	0.9	1
29	Operando Soft X-ray Spectroscopy Probing Chemical Transformation in Space and Time. Microscopy and Microanalysis, 2021, 27, 61-62.	0.2	0
30	Necessary and sufficient condition for non-concave network utility maximisation. International Journal of Control, 2020, 93, 319-327.	1.2	1
31	Identification of dual-active sites in cobalt phthalocyanine for electrochemical carbon dioxide reduction. Nano Energy, 2020, 67, 104163.	8.2	48
32	A Mechanistic Analysis of Phase Evolution and Hydrogen Storage Behavior in Nanocrystalline $Mg(BH_4)_2$ within Reduced Graphene Oxide. ACS Nano, 2020, 14, 1745-1756.	7.3	29
33	Quantification of Anionic Redox Chemistry in a Prototype Na-Rich Layered Oxide. ACS Applied Materials & Interfaces, 2020, 12, 3617-3623.	4.0	18
34	Reversible Electrochemical Interface of Mg Metal and Conventional Electrolyte Enabled by Intermediate Adsorption. ACS Energy Letters, 2020, 5, 200-206.	8.8	44
35	Tailoring a Three-Phase Microenvironment for High-Performance Oxygen Reduction Reaction in Proton Exchange Membrane Fuel Cells. Matter, 2020, 3, 1774-1790.	5.0	71
36	Detailed Characterization of an Annealed Reduced Graphene Oxide Catalyst for Selective Peroxide Formation Activity. ACS Applied Materials & Interfaces, 2020, 12, 46439-46445.	4.0	4

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37	Nanoconfinement of Molecular Magnesium Borohydride Captured in a Bipyridine-Functionalized Metal-Organic Framework. <i>ACS Nano</i> , 2020, 14, 10294-10304.	7.3	40
38	Enhanced and stabilized hydrogen production from methanol by ultrasmall Ni nanoclusters immobilized on defect-rich h-BN nanosheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29442-29452.	3.3	34
39	A nature-inspired hydrogen-bonded supramolecular complex for selective copper ion removal from water. <i>Nature Communications</i> , 2020, 11, 3947.	5.8	86
40	Probing calcium solvation by XAS, MD and DFT calculations. <i>RSC Advances</i> , 2020, 10, 27315-27321.	1.7	12
41	Engineering Surface Oxygenated Functionalities on Commercial Carbon toward Ultrafast Sodium Storage in Ether-Based Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37116-37127.	4.0	13
42	In-situ ink-jet printed Fe-doped MgO thin films with tunable ferromagnetism. <i>Chinese Journal of Physics</i> , 2020, 67, 398-404.	2.0	2
43	Real-time interface investigation on degradation mechanism of organic light-emitting diode by in-operando X-ray spectroscopies. <i>Organic Electronics</i> , 2020, 87, 105901.	1.4	2
44	In-situ/operando X-ray absorption spectroscopic investigation of the electrode/electrolyte interface on the molecular scale. <i>Surface Science</i> , 2020, 702, 121720.	0.8	19
45	Disparate Exciton-Phonon Couplings for Zone-Center and Boundary Phonons in Solid-State Graphite. <i>Physical Review Letters</i> , 2020, 125, 116401.	2.9	7
46	Exploring the Charge Compensation Mechanism of P2-Type Na _{0.6} Mg _{0.3} Mn _{0.7} O ₂ Cathode Materials for Advanced Sodium-Ion Batteries. <i>Energies</i> , 2020, 13, 5729.	1.6	15
47	Intercalation of Mg into a Few-Layer Phyllosulfate in Nonaqueous Electrolytes at Room Temperature. <i>Chemistry of Materials</i> , 2020, 32, 6014-6025.	3.2	3
48	Full Energy Range Resonant Inelastic X-ray Scattering of O ₂ and CO ₂ : Direct Comparison with Oxygen Redox State in Batteries. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2618-2623.	2.1	30
49	Deciphering the Solvent Effect for the Solvation Structure of Ca ²⁺ in Polar Molecular Liquids. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3408-3417.	1.2	8
50	Robust H _∞ Fault-Tolerant Lateral Control of Four-Wheel-Steering Autonomous Vehicles. <i>International Journal of Automotive Technology</i> , 2020, 21, 993-1000.	0.7	9
51	Reversible Room-Temperature Fluoride-Ion Insertion in a Tunnel-Structured Transition Metal Oxide Host. <i>ACS Energy Letters</i> , 2020, 5, 2520-2526.	8.8	13
52	Carbon doping switching on the hydrogen adsorption activity of NiO for hydrogen evolution reaction. <i>Nature Communications</i> , 2020, 11, 590.	5.8	170
53	Solubility-Dependent Protective Effects of Binary Alloys for Lithium Anode. <i>ACS Applied Energy Materials</i> , 2020, 3, 2278-2284.	2.5	16
54	In-situ/operando soft x-ray spectroscopy characterization of energy and catalytic materials. <i>Solar Energy Materials and Solar Cells</i> , 2020, 208, 110432.	3.0	7

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55	Robust lateral control of autonomous four-wheel independent drive electric vehicles considering the roll effects and actuator faults. <i>Mechanical Systems and Signal Processing</i> , 2020, 143, 106773.	4.4	42
56	Adaptive non-linear coordinated optimal dynamic platoon control of connected autonomous distributed electric vehicles on curved roads. <i>IET Intelligent Transport Systems</i> , 2020, 14, 1626-1637.	1.7	9
57	A design of resonant inelastic X-ray scattering (RIXS) spectrometer for spatial- and time-resolved spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 695-707.	1.0	10
58	Robust gain-scheduling automatic steering control of unmanned ground vehicles under velocity-varying motion. <i>Vehicle System Dynamics</i> , 2019, 57, 595-616.	2.2	66
59	Adaptive dynamic surface longitudinal tracking control of autonomous vehicles. <i>IET Intelligent Transport Systems</i> , 2019, 13, 1272-1280.	1.7	5
60	High lithium sulfide loading electrodes for practical Li/S cells with high specific energy. <i>Nano Energy</i> , 2019, 64, 103891.	8.2	7
61	Efficient Hydrogen Production from Methanol Using a Single-Site Pt ₁ /CeO ₂ Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 17995-17999.	6.6	114
62	Boosting the sodium storage behaviors of carbon materials in ether-based electrolyte through the artificial manipulation of microstructure. <i>Nano Energy</i> , 2019, 66, 104177.	8.2	20
63	Elucidation of Anionic and Cationic Redox Reactions in a Prototype Sodium-Layered Oxide Cathode. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41304-41312.	4.0	43
64	Excess Lithium in Transition Metal Layers of Epitaxially Grown Thin Film Cathodes of Li ₂ MnO ₃ Leads to Rapid Loss of Covalency during First Battery Cycle. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28519-28526.	1.5	19
65	Runaway Carbon Dioxide Conversion Leads to Enhanced Uptake in a Nanohybrid Form of Porous Magnesium Borohydride. <i>Advanced Materials</i> , 2019, 31, e1904252.	11.1	10
66	Decomposing electronic and lattice contributions in optical pump-X-ray probe transient inner-shell absorption spectroscopy of CuO. <i>EPJ Web of Conferences</i> , 2019, 205, 04015.	0.1	0
67	Surface-bound sacrificial electron donors in promoting photocatalytic reduction on titania nanocrystals. <i>Nanoscale</i> , 2019, 11, 19512-19519.	2.8	8
68	A multidimensional cross-cultural semiotic model from China to the West. <i>Neohelicon</i> , 2019, 46, 509-516.	0.1	0
69	Ni Foam-Supported Fe-Doped γ -Ni(OH) ₂ Nanosheets Show Ultralow Overpotential for Oxygen Evolution Reaction. <i>ACS Energy Letters</i> , 2019, 4, 622-628.	8.8	240
70	Rapid Stoichiometry Control in Cu ₂ Se Thin Films for Room-Temperature Power Factor Improvement. <i>ACS Applied Energy Materials</i> , 2019, 2, 1517-1525.	2.5	28
71	Decomposing electronic and lattice contributions in optical pump X-ray probe transient inner-shell absorption spectroscopy of CuO. <i>Faraday Discussions</i> , 2019, 216, 414-433.	1.6	8
72	Carbon Defect Characterization of Nitrogen-Doped Reduced Graphene Oxide Electrocatalysts for the Two-Electron Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2019, 31, 3967-3973.	3.2	85

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73	Dual-Site Cascade Oxygen Reduction Mechanism on SnO ₂ /Pt-Cu-Ni for Promoting Reaction Kinetics. <i>Journal of the American Chemical Society</i> , 2019, 141, 9463-9467.	6.6	70
74	Single-atom tailoring of platinum nanocatalysts for high-performance multifunctional electrocatalysis. <i>Nature Catalysis</i> , 2019, 2, 495-503.	16.1	464
75	An adaptive cascade trajectory tracking control for over-actuated autonomous electric vehicles with input saturation. <i>Science China Technological Sciences</i> , 2019, 62, 2153-2160.	2.0	8
76	Understanding the Reaction Mechanism of Lithium-Sulfur Batteries by In Situ/Operando X-ray Absorption Spectroscopy. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 6217-6229.	1.7	6
77	Robust Combined Lane Keeping and Direct Yaw Moment Control for Intelligent Electric Vehicles with Time Delay. <i>International Journal of Automotive Technology</i> , 2019, 20, 289-296.	0.7	31
78	In Situ X-ray Absorption Spectroscopic Investigation of the Capacity Degradation Mechanism in Mg/S Batteries. <i>Nano Letters</i> , 2019, 19, 2928-2934.	4.5	63
79	In Situ/Operando X-ray Characterization of Metal Hydrides. <i>ChemPhysChem</i> , 2019, 20, 1261-1271.	1.0	12
80	Design of robust output-feedback-based automatic steering controller for unmanned electric vehicles. <i>International Journal of Vehicle Design</i> , 2019, 79, 63.	0.1	5
81	Improving a Mg/S Battery with YCl ₃ Additive and Magnesium Polysulfide. <i>Advanced Science</i> , 2019, 6, 1800981.	5.6	50
82	Lithium nitrate: A double-edged sword in the rechargeable lithium-sulfur cell. <i>Energy Storage Materials</i> , 2019, 16, 498-504.	9.5	39
83	Direct imaging revealing halved ferromagnetism in tensile-strained LaCoO ₃ thin films. <i>Physical Review Materials</i> , 2019, 3, .	0.9	12
84	Strain-induced high-temperature perovskite ferromagnetic insulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2873-2877.	3.3	92
85	Stable iridium dinuclear heterogeneous catalysts supported on metal-oxide substrate for solar water oxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2902-2907.	3.3	229
86	Cobalt-Doped Black TiO ₂ Nanotube Array as a Stable Anode for Oxygen Evolution and Electrochemical Wastewater Treatment. <i>ACS Catalysis</i> , 2018, 8, 4278-4287.	5.5	151
87	Reversible Mn ²⁺ /Mn ⁴⁺ double redox in lithium-excess cathode materials. <i>Nature</i> , 2018, 556, 185-190.	13.7	525
88	Soft x-ray spectroscopy of high pressure liquid. <i>Review of Scientific Instruments</i> , 2018, 89, 013114.	0.6	9
89	X-ray-Induced Fragmentation of Imidazolium-Based Ionic Liquids Studied by Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 785-790.	2.1	14
90	Large Charge Transfer Energy in LiFePO ₄ Revealed by Full Multiplet Calculation for the Fe L _{2,3} Edge Soft X-ray Emission Spectra. <i>ChemPhysChem</i> , 2018, 19, 988-992.	1.0	13

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91	Electrochemical Reaction Mechanism of the MoS ₂ Electrode in a Lithium-Ion Cell Revealed by in Situ and Operando X-ray Absorption Spectroscopy. <i>Nano Letters</i> , 2018, 18, 1466-1475.	4.5	153
92	Coordinated path-following and direct yaw-moment control of autonomous electric vehicles with sideslip angle estimation. <i>Mechanical Systems and Signal Processing</i> , 2018, 105, 183-199.	4.4	172
93	A facile route for the synthesis of heterogeneous crystal structures in hierarchical architectures with vacancy-driven defects <i>via</i> the oriented attachment growth mechanism. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10663-10673.	5.2	4
94	Efficient hydrogen peroxide generation using reduced graphene oxide-based oxygen reduction electrocatalysts. <i>Nature Catalysis</i> , 2018, 1, 282-290.	16.1	699
95	Transition metal doping effects in Co-phosphate catalysts for water splitting studied with XAS. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2018, 224, 3-7.	0.8	14
96	The synergetic interaction between LiNO ₃ and lithium polysulfides for suppressing shuttle effect of lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018, 11, 24-29.	9.5	160
97	SOFT X-RAY SPECTROSCOPY ON PHOTOCATALYSIS. , 2018, , 343-360.		0
98	Robust guaranteed-cost path-following control for autonomous vehicles on unstructured roads. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2018, 232, 896-908.	1.1	12
99	Strong O 2p–Fe 3d Hybridization Observed in Solution-Grown Hematite Films by Soft X-ray Spectroscopies. <i>Journal of Physical Chemistry B</i> , 2018, 122, 927-932.	1.2	18
100	An Adaptive Hierarchical Trajectory Following Control Approach of Autonomous Four-Wheel Independent Drive Electric Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 2482-2492.	4.7	123
101	Understanding the electrochemical reaction mechanism of VS ₂ nanosheets in lithium-ion cells by multiple <i>in situ</i> and <i>ex situ</i> x-ray spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 494001.	1.3	14
102	Antioxidative response in leaves and allelochemical changes in root exudates of <i>Ricinus communis</i> under Cu, Zn, and Cd stress. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32747-32755.	2.7	19
103	Enhancing Catalytic Activity of MoS ₂ Basal Plane S-Vacancy by Co Cluster Addition. <i>ACS Energy Letters</i> , 2018, 3, 2685-2693.	8.8	121
104	Copper adparticle enabled selective electrosynthesis of n-propanol. <i>Nature Communications</i> , 2018, 9, 4614.	5.8	153
105	Molecular-Scale Structure of Electrode–Electrolyte Interfaces: The Case of Platinum in Aqueous Sulfuric Acid. <i>Journal of the American Chemical Society</i> , 2018, 140, 16237-16244.	6.6	32
106	Atomic-scale understanding of the electronic structure-crystal facets synergy of nanopyramidal CoPi/BiVO ₄ hybrid photocatalyst for efficient solar water oxidation. <i>Nano Energy</i> , 2018, 53, 483-491.	8.2	31
107	Tracking the Chemical and Structural Evolution of the TiS ₂ Electrode in the Lithium-Ion Cell Using Operando X-ray Absorption Spectroscopy. <i>Nano Letters</i> , 2018, 18, 4506-4515.	4.5	51
108	Adaptive coordinated collision avoidance control of autonomous ground vehicles. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2018, 232, 1120-1133.	0.7	7

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109	Conversion reaction of vanadium sulfide electrode in the lithium-ion cell: Reversible or not reversible?. <i>Nano Energy</i> , 2018, 51, 391-399.	8.2	55
110	Tailored Reaction Route by Micropore Confinement for Li ⁺ S Batteries Operating under Lean Electrolyte Conditions. <i>Advanced Energy Materials</i> , 2018, 8, 1800590.	10.2	55
111	Adaptive non-linear trajectory tracking control for lane change of autonomous four-wheel independently drive electric vehicles. <i>IET Intelligent Transport Systems</i> , 2018, 12, 712-720.	1.7	19
112	Adaptive coordinated leader-follower control of autonomous over-actuated electric vehicles. <i>Transactions of the Institute of Measurement and Control</i> , 2017, 39, 1798-1810.	1.1	10
113	Adaptive fuzzy sliding mode control for coordinated longitudinal and lateral motions of multiple autonomous vehicles in a platoon. <i>Science China Technological Sciences</i> , 2017, 60, 576-586.	2.0	39
114	Modular soft x-ray spectrometer for applications in energy sciences and quantum materials. <i>Review of Scientific Instruments</i> , 2017, 88, 013110.	0.6	77
115	Chemical Modification of Graphene Oxide by Nitrogenation: An X-ray Absorption and Emission Spectroscopy Study. <i>Scientific Reports</i> , 2017, 7, 42235.	1.6	43
116	X-ray spectroscopies studies of the 3d transition metal oxides and applications of photocatalysis. <i>MRS Communications</i> , 2017, 7, 53-66.	0.8	22
117	An Advanced Materials Beamline for Energy Research (AMBER). <i>Synchrotron Radiation News</i> , 2017, 30, 41-43.	0.2	2
118	High-efficiency <i>in situ</i> resonant inelastic x-ray scattering (iRIXS) endstation at the Advanced Light Source. <i>Review of Scientific Instruments</i> , 2017, 88, 033106.	0.6	107
119	Tuning inner-layer oxygen functional groups of reduced graphene oxide by potentiostatic oxidation for high performance electrochemical energy storage devices. <i>Electrochimica Acta</i> , 2017, 240, 122-128.	2.6	5
120	Using soft x-ray absorption spectroscopy to characterize electrode/electrolyte interfaces in-situ and operando. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017, 221, 2-9.	0.8	25
121	Nucleophilic substitution between polysulfides and binders unexpectedly stabilizing lithium sulfur battery. <i>Nano Energy</i> , 2017, 38, 82-90.	8.2	119
122	Atomic-layered Au clusters on γ -MoC as catalysts for the low-temperature water-gas shift reaction. <i>Science</i> , 2017, 357, 389-393.	6.0	534
123	Revealing the electronic structure of LiC ₆ by soft X-ray spectroscopy. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	15
124	Electronic Structure, Optoelectronic Properties, and Photoelectrochemical Characteristics of β -Cu ₃ V ₂ O ₈ Thin Films. <i>Chemistry of Materials</i> , 2017, 29, 3334-3345.	3.2	60
125	Revealing the Size-Dependent d ^d Excitations of Cobalt Nanoparticles Using Soft X-ray Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 319-325.	2.1	9
126	Dual-Channel, Molecular-Sieving Core/Shell ZIF@MOF Architectures as Engineered Fillers in Hybrid Membranes for Highly Selective CO ₂ Separation. <i>Nano Letters</i> , 2017, 17, 6752-6758.	4.5	82

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127	Utilizing the full capacity of carbon black as anode for Na-ion batteries via solvent co-intercalation. Nano Research, 2017, 10, 4378-4387.	5.8	45
128	Hierarchically Controlled Inside-Out Doping of Mg Nanocomposites for Moderate Temperature Hydrogen Storage. Advanced Functional Materials, 2017, 27, 1704316.	7.8	72
129	Fast kinetics of magnesium monochloride cations in interlayer-expanded titanium disulfide for magnesium rechargeable batteries. Nature Communications, 2017, 8, 339.	5.8	304
130	Effective electrostatic confinement of polysulfides in lithium/sulfur batteries by a functional binder. Nano Energy, 2017, 40, 559-565.	8.2	83
131	The key energy scales of Gd-based metallofullerene determined by resonant inelastic x-ray scattering spectroscopy. Scientific Reports, 2017, 7, 8125.	1.6	3
132	Revealing the Electrochemical Charging Mechanism of Nanosized Li ₂ S by in Situ and Operando X-ray Absorption Spectroscopy. Nano Letters, 2017, 17, 5084-5091.	4.5	89
133	Atomically Thin Interfacial Suboxide Key to Hydrogen Storage Performance Enhancements of Magnesium Nanoparticles Encapsulated in Reduced Graphene Oxide. Nano Letters, 2017, 17, 5540-5545.	4.5	37
134	Integrated adaptive dynamic surface car-following control for nonholonomic autonomous electric vehicles. Science China Technological Sciences, 2017, 60, 1221-1230.	2.0	15
135	A compact dispersive refocusing Rowland circle X-ray emission spectrometer for laboratory, synchrotron, and XFEL applications. Review of Scientific Instruments, 2017, 88, 073904.	0.6	40
136	Interfacial Insight from Operando XAS/TEM for Magnesium Metal Deposition with Borohydride Electrolytes. Chemistry of Materials, 2017, 29, 7183-7188.	3.2	36
137	Resonant Inelastic X-ray Scattering Study of Li_2S Nanoparticles	1.1	7
138	Photocatalytic Color Switching of Transition Metal Hexacyanometalate Nanoparticles for High-Performance Light-Printable Rewritable Paper. Nano Letters, 2017, 17, 755-761.	4.5	83
139	Adaptive neural-network sliding mode cascade architecture of longitudinal tracking control for unmanned vehicles. Nonlinear Dynamics, 2017, 87, 2497-2510.	2.7	34
140	A novel fuzzy-sliding automatic speed control of intelligent vehicles with adaptive boundary layer. International Journal of Vehicle Design, 2017, 73, 300.	0.1	4
141	X-ray Absorption Spectroscopy Characterization of a Li/S Cell. Nanomaterials, 2016, 6, 14.	1.9	32
142	Uniform second Li ion intercalation in solid state $\mu\text{-LiVOPO}_4$. Applied Physics Letters, 2016, 109, .	1.5	20
143	Material/element-dependent fluorescence-yield modes on soft X-ray absorption spectroscopy of cathode materials for Li-ion batteries. AIP Advances, 2016, 6, .	0.6	48
144	Soft X-ray absorption spectroscopy investigations of Bi ₆ FeCoTi ₃ O ₁₈ and LaBi ₅ FeCoTi ₃ O ₁₈ epitaxial thin films. Journal of Applied Physics, 2016, 120, 084101.	1.1	19

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145	Effects of domain size on x-ray absorption spectra of boron nitride doped graphenes. Applied Physics Letters, 2016, 109, .	1.5	9
146	Towards efficient time-resolved X-ray absorption studies of electron dynamics at photocatalytic interfaces. Faraday Discussions, 2016, 194, 659-682.	1.6	16
147	Safe and Durable High-Temperature Lithium-Sulfur Batteries via Molecular Layer Deposited Coating. Nano Letters, 2016, 16, 3545-3549.	4.5	157
148	Dynamic coordinated control for over-actuated autonomous electric vehicles with nonholonomic constraints via nonsingular terminal sliding mode technique. Nonlinear Dynamics, 2016, 85, 583-597.	2.7	22
149	Carrier Scattering at Alloy Nanointerfaces Enhances Power Factor in PEDOT:PSS Hybrid Thermoelectrics. Nano Letters, 2016, 16, 3352-3359.	4.5	93
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