

# Chao Xu

## List of Publications by Year in descending order

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442  
papers

16,356  
citations

16411

64  
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27345

106  
g-index

452  
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452  
docs citations

452  
times ranked

17823  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis for selective binding of m6A RNA by the YTHDC1 YTH domain. <i>Nature Chemical Biology</i> , 2014, 10, 927-929.	3.9	552
2	Structure and function of WD40 domain proteins. <i>Protein and Cell</i> , 2011, 2, 202-214.	4.8	494
3	Improved Performance of the Silicon Anode for Li-Ion Batteries: Understanding the Surface Modification Mechanism of Fluoroethylene Carbonate as an Effective Electrolyte Additive. <i>Chemistry of Materials</i> , 2015, 27, 2591-2599.	3.2	494
4	Bulk fatigue induced by surface reconstruction in layered Ni-rich cathodes for Li-ion batteries. <i>Nature Materials</i> , 2021, 20, 84-92.	13.3	349
5	Interface layer formation in solid polymer electrolyte lithium batteries: an XPS study. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7256-7264.	5.2	296
6	YTH Domain: A Family of N <sup>6</sup> -methyladenosine (m <sup>6</sup> A) Readers. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 99-107.	3.0	277
7	Energy and exergy analysis of solar power tower plants. <i>Applied Thermal Engineering</i> , 2011, 31, 3904-3913.	3.0	256
8	Role of layered structure in ductility improvement of layered Ti-Al metal composite. <i>Acta Materialia</i> , 2018, 153, 235-249.	3.8	244
9	Selection principles and thermophysical properties of high temperature phase change materials for thermal energy storage: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1771-1786.	8.2	233
10	Structural Basis for the Discriminative Recognition of N <sup>6</sup> -Methyladenosine RNA by the Human YT521-B Homology Domain Family of Proteins. <i>Journal of Biological Chemistry</i> , 2015, 290, 24902-24913.	1.6	228
11	Evolution of Structure and Lithium Dynamics in LiNi <sub>0.8</sub> Mn <sub>0.1</sub> Co <sub>0.1</sub> O <sub>2</sub> (NMC811) Cathodes during Electrochemical Cycling. <i>Chemistry of Materials</i> , 2019, 31, 2545-2554.	3.2	228
12	Tet3 CXXC Domain and Dioxygenase Activity Cooperatively Regulate Key Genes for Xenopus Eye and Neural Development. <i>Cell</i> , 2012, 151, 1200-1213.	13.5	227
13	A review of the concentrated photovoltaic/thermal (CPVT) hybrid solar systems based on the spectral beam splitting technology. <i>Applied Energy</i> , 2017, 187, 534-563.	5.1	221
14	Sgf29 binds histone H3K4me <sub>2/3</sub> and is required for SAGA complex recruitment and histone H3 acetylation. <i>EMBO Journal</i> , 2011, 30, 2829-2842.	3.5	218
15	Sensitivity analysis of the numerical study on the thermal performance of a packed-bed molten salt thermochemical storage system. <i>Applied Energy</i> , 2012, 92, 65-75.	5.1	212
16	Binding of different histone marks differentially regulates the activity and specificity of polycomb repressive complex 2 (PRC2). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19266-19271.	3.3	202
17	A review on the development of photovoltaic/concentrated solar power (PV-CSP) hybrid systems. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 305-327.	3.0	165
18	Parametric optimization of regenerative organic Rankine cycle (ORC) for low grade waste heat recovery using genetic algorithm. <i>Energy</i> , 2013, 58, 473-482.	4.5	161

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19	Mouse Piwi interactome identifies binding mechanism of Tdrkh Tudor domain to arginine methylated Miwi. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20336-20341.	3.3	159
20	Experimental study on enhancement of thermal energy storage with phase-change material. Applied Energy, 2016, 169, 164-176.	5.1	157
21	Dynamic thermal performance analysis of a molten-salt packed-bed thermal energy storage system using PCM capsules. Applied Energy, 2014, 121, 184-195.	5.1	155
22	Numerical analysis on thermal behavior of solid-liquid phase change within copper foam with varying porosity. International Journal of Heat and Mass Transfer, 2015, 84, 1008-1018.	2.5	153
23	Phase Behavior during Electrochemical Cycling of Ni-Rich Cathode Materials for Li-Ion Batteries. Advanced Energy Materials, 2021, 11, 2003404.	10.2	153
24	A Chromatin-Dependent Role of the Fragile X Mental Retardation Protein FMRP in the DNA Damage Response. Cell, 2014, 157, 869-881.	13.5	151
25	Structures of Human ALKBH5 Demethylase Reveal a Unique Binding Mode for Specific Single-stranded N6-Methyladenosine RNA Demethylation. Journal of Biological Chemistry, 2014, 289, 17299-17311.	1.6	138
26	Structural and Histone Binding Ability Characterizations of Human PWWP Domains. PLoS ONE, 2011, 6, e18919.	1.1	137
27	Structural basis for recognition of arginine methylated Piwi proteins by the extended Tudor domain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18398-18403.	3.3	132
28	Ca(NO <sub>3</sub> ) <sub>2</sub> -NaNO <sub>3</sub> /expanded graphite composite as a novel shape-stable phase change material for mid- to high-temperature thermal energy storage. Energy Conversion and Management, 2018, 163, 50-58.	4.4	128
29	Methanol and water crossover in a passive liquid-feed direct methanol fuel cell. International Journal of Hydrogen Energy, 2010, 35, 1769-1777.	3.8	122
30	EGO-Planner: An ESDF-Free Gradient-Based Local Planner for Quadrotors. IEEE Robotics and Automation Letters, 2021, 6, 478-485.	3.3	121
31	The structural basis for selective binding of non-methylated CpG islands by the CFP1 CXXC domain. Nature Communications, 2011, 2, 227.	5.8	111
32	Effect of LPSO and SFs on microstructure evolution and mechanical properties of Mg-Gd-Y-Zn-Zr alloy. Scientific Reports, 2017, 7, 40846.	1.6	110
33	Solution Structure of Human Brg1 Bromodomain and Its Specific Binding to Acetylated Histone Tails. Biochemistry, 2007, 46, 2100-2110.	1.2	106
34	Cyclic behaviors of the molten-salt packed-bed thermal storage system filled with cascaded phase change material capsules. Applied Thermal Engineering, 2016, 93, 1061-1073.	3.0	106
35	SEI Formation and Interfacial Stability of a Si Electrode in a LiTfO <sub>4</sub> -Salt Based Electrolyte with FEC and VC Additives for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 15758-15766.	4.0	105
36	Effects of solid particle properties on the thermal performance of a packed-bed molten-salt thermochemical thermal storage system. Applied Thermal Engineering, 2013, 57, 69-80.	3.0	103

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37	Impact of SO <sub>2</sub> concentration on the corrosion rate of X70 steel and iron in water-saturated supercritical CO <sub>2</sub> mixed with SO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2011, 58, 286-294.	1.6	101
38	At the polymer electrolyte interfaces: the role of the polymer host in interphase layer formation in Li-batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13994-14000.	5.2	101
39	Improving strength and ductility of Mg-Gd-Y-Zn-Zr alloy simultaneously via extrusion, hot rolling and ageing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 643, 137-141.	2.6	100
40	Characterization and stability study of a form-stable erythritol/expanded graphite composite phase change material for thermal energy storage. <i>Renewable Energy</i> , 2019, 136, 211-222.	4.3	99
41	Effects of berberine on the growth and immune performance in response to ammonia stress and high-fat dietary in blunt snout bream <i>Megalobrama amblycephala</i> . <i>Fish and Shellfish Immunology</i> , 2016, 55, 165-172.	1.6	97
42	A Radioactivity-Based Assay for Screening Human m <sup>6</sup> A-RNA Methyltransferase, METTL3-METTL14 Complex, and Demethylase ALKBH5. <i>Journal of Biomolecular Screening</i> , 2016, 21, 290-297.	2.6	95
43	Microstructure evolution and mechanical properties of a high strength Mg-11.7Gd-4.9Y-0.3Zr (wt%) alloy prepared by pre-deformation annealing, hot extrusion and ageing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 703, 348-358.	2.6	95
44	Flexible freestanding <i>Cladophora</i> nanocellulose paper based Si anodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14109-14115.	5.2	91
45	Pup, a prokaryotic ubiquitin-like protein, is an intrinsically disordered protein. <i>Biochemical Journal</i> , 2009, 422, 207-215.	1.7	88
46	A review of concentrated photovoltaic-thermal (CPVT) hybrid solar systems with waste heat recovery (WHR). <i>Science Bulletin</i> , 2017, 62, 1388-1426.	4.3	85
47	Structural Basis for the Recognition of Methylated Histone H3K36 by the Eaf3 Subunit of Histone Deacetylase Complex Rpd3S. <i>Structure</i> , 2008, 16, 1740-1750.	1.6	84
48	Water management of the DMFC passively fed with a high-concentration methanol solution. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8690-8698.	3.8	82
49	Exergy analysis of two phase change materials storage system for solar thermal power with finite-time thermodynamics. <i>Renewable Energy</i> , 2012, 39, 447-454.	4.3	79
50	Operando NMR of NMC811/Graphite Lithium-Ion Batteries: Structure, Dynamics, and Lithium Metal Deposition. <i>Journal of the American Chemical Society</i> , 2020, 142, 17447-17456.	6.6	79
51	Parametric study and standby behavior of a packed-bed molten salt thermocline thermal storage system. <i>Renewable Energy</i> , 2012, 48, 1-9.	4.3	78
52	Spatial variation of green space equity and its relation with urban dynamics: A case study in the region of Munich. <i>Ecological Indicators</i> , 2018, 93, 512-523.	2.6	78
53	Identification of premixed flame propagation modes using chemical explosive mode analysis. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 2407-2415.	2.4	78
54	Water transport characteristics in a passive liquid-feed DMFC. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 1951-1966.	2.5	72

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55	RPRD1A and RPRD1B are human RNA polymerase II C-terminal domain scaffolds for Ser5 dephosphorylation. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 686-695.	3.6	72
56	The impact of concrete structure on the thermal performance of the dual-media thermocline thermal storage tank using concrete as the solid medium. <i>Applied Energy</i> , 2014, 113, 1363-1371.	5.1	72
57	Chemical basis for the recognition of trimethyllysine by epigenetic reader proteins. <i>Nature Communications</i> , 2015, 6, 8911.	5.8	72
58	Allowable flux density on a solar central receiver. <i>Renewable Energy</i> , 2014, 62, 747-753.	4.3	71
59	Effects of pre-annealing on microstructure and mechanical properties of as-extruded Mg-Gd-Y-Zn-Zr alloy. <i>Journal of Alloys and Compounds</i> , 2017, 729, 627-637.	2.8	71
60	Microstructure evolution and mechanical properties of as-extruded Mg-Gd-Y-Zr alloy with Zn and Nd additions. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 713, 234-243.	2.6	70
61	Study of the hydration behavior of zeolite-MgSO <sub>4</sub> composites for long-term heat storage. <i>Applied Thermal Engineering</i> , 2018, 129, 250-259.	3.0	70
62	LiTfDI: A Highly Efficient Additive for Electrolyte Stabilization in Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2017, 29, 2254-2263.	3.2	69
63	Interactions between dietary carbohydrate and metformin: Implications on energy sensing, insulin signaling pathway, glycolipid metabolism and glucose tolerance in blunt snout bream <i>Megalobrama amblycephala</i> . <i>Aquaculture</i> , 2018, 483, 183-195.	1.7	68
64	Performance analysis of a two-stage thermal energy storage system using concrete and steam accumulator. <i>Applied Thermal Engineering</i> , 2011, 31, 2764-2771.	3.0	66
65	Structural basis for the recognition and cleavage of histone H3 by cathepsin L. <i>Nature Communications</i> , 2011, 2, 197.	5.8	64
66	A novel RNA-binding mode of the YTH domain reveals the mechanism for recognition of determinant of selective removal by Mmi1. <i>Nucleic Acids Research</i> , 2016, 44, 969-982.	6.5	64
67	Spatial Modulation and Space-Time Shift Keying: Optimal Performance at a Reduced Detection Complexity. <i>IEEE Transactions on Communications</i> , 2013, 61, 206-216.	4.9	62
68	Enhanced strength in pure Ti via design of alternating coarse- and fine-grain layers. <i>Acta Materialia</i> , 2021, 206, 116627.	3.8	62
69	Embodied energy and energy analyses of a concentrating solar power (CSP) system. <i>Energy Policy</i> , 2012, 42, 232-238.	4.2	61
70	Low-Complexity Channel Estimation and Passive Beamforming for RIS-Assisted MIMO Systems Relying on Discrete Phase Shifts. <i>IEEE Transactions on Communications</i> , 2022, 70, 1245-1260.	4.9	61
71	Development of a High Performance Passive Vapor-Feed DMFC Fed with Neat Methanol. <i>Journal of the Electrochemical Society</i> , 2010, 157, B1109.	1.3	60
72	Structural insights into Gemin5-guided selection of pre-snRNAs for snRNP assembly. <i>Genes and Development</i> , 2016, 30, 2376-2390.	2.7	60

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73	Two Decades of MIMO Design Tradeoffs and Reduced-Complexity MIMO Detection in Near-Capacity Systems. <i>IEEE Access</i> , 2017, 5, 18564-18632.	2.6	60
74	DNA Sequence Recognition of Human CXXC Domains and Their Structural Determinants. <i>Structure</i> , 2018, 26, 85-95.e3.	1.6	60
75	Effects of light intensity on growth, immune responses, antioxidant capability and disease resistance of juvenile blunt snout bream <i>Megalobrama amblycephala</i> . <i>Fish and Shellfish Immunology</i> , 2015, 47, 674-680.	1.6	58
76	A fully coupled numerical simulation of a hybrid concentrated photovoltaic/thermal system that employs a thermophilic VP-1 based nanofluid as a spectral beam filter. <i>Applied Energy</i> , 2020, 264, 114701.	5.1	58
77	The impact of different urban dynamics on green space availability: A multiple scenario modeling approach for the region of Munich, Germany. <i>Ecological Indicators</i> , 2018, 93, 1-12.	2.6	57
78	Direct numerical simulation of flame stabilization assisted by autoignition in a reheat gas turbine combustor. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 2635-2642.	2.4	57
79	Total Synthesis of (âˆš)â€Nakadomarinâ€…A. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4332-4335.	7.2	56
80	Parametric analysis of a hybrid solar concentrating photovoltaic/concentrating solar power (CPV/CSP) system. <i>Applied Energy</i> , 2017, 189, 520-533.	5.1	56
81	Solution structure of BRD7 bromodomain and its interaction with acetylated peptides from histone H3 and H4. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 435-441.	1.0	54
82	Fishmeal replacement by rice protein concentrate with xylooligosaccharides supplement benefits the growth performance, antioxidant capability and immune responses against <i>Aeromonas hydrophila</i> in blunt snout bream ( <i>Megalobrama amblycephala</i> ). <i>Fish and Shellfish Immunology</i> , 2018, 78, 177-186.	1.6	54
83	Ecological effect assessment based on the DPSIR model of a polluted urban river during restoration: A case study of the Nanfei River, China. <i>Ecological Indicators</i> , 2019, 96, 146-152.	2.6	54
84	Performance of double source boiler with coal-fired and solar power tower heat for supercritical power generating unit. <i>Energy</i> , 2016, 104, 64-75.	4.5	53
85	Crystal Structure of the Human SUV39H1 Chromodomain and Its Recognition of Histone H3K9me2/3. <i>PLoS ONE</i> , 2012, 7, e52977.	1.1	53
86	Effects of extrusion ratio and temperature on the mechanical properties and microstructure of as-extruded Mg-Gd-Y-(Nd/Zn)-Zr alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 762, 138080.	2.6	52
87	Structural Studies of the Tandem Tudor Domains of Fragile X Mental Retardation Related Proteins FXR1 and FXR2. <i>PLoS ONE</i> , 2010, 5, e13559.	1.1	51
88	Tudor domains of the PRC2 components PHF1 and PHF19 selectively bind to histone H3K36me3. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 547-553.	1.0	50
89	Molecular characterization and expression analysis of glucokinase from herbivorous fish <i>Megalobrama amblycephala</i> subjected to a glucose load after the adaption to dietary carbohydrate levels. <i>Aquaculture</i> , 2016, 459, 89-98.	1.7	49
90	Resveratrol Improves the Energy Sensing and Glycolipid Metabolism of Blunt Snout Bream <i>Megalobrama amblycephala</i> Fed High-Carbohydrate Diets by Activating the AMPKâ€SIRT1â€PGC-1â€ Network. <i>Frontiers in Physiology</i> , 2018, 9, 1258.	1.3	49

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91	Unraveling and Mitigating the Storage Instability of Fluoroethylene Carbonate-Containing LiPF <sub>6</sub> Electrolytes To Stabilize Lithium Metal Anodes for High-Temperature Rechargeable Batteries. ACS Applied Energy Materials, 2019, 2, 4925-4935.	2.5	49
92	Sixty Years of Coherent Versus Non-Coherent Tradeoffs and the Road From 5G to Wireless Futures. IEEE Access, 2019, 7, 178246-178299.	2.6	49
93	Structural optimization of the direct methanol fuel cell passively fed with a high-concentration methanol solution. Journal of Power Sources, 2010, 195, 8202-8208.	4.0	48
94	Dynamic adaptive chemistry with operator splitting schemes for reactive flow simulations. Journal of Computational Physics, 2014, 263, 19-36.	1.9	48
95	Environment-friendly and reusable ink for 3D printing of metallic structures. Materials and Design, 2018, 160, 262-269.	3.3	48
96	The impact of urban compactness on energy-related greenhouse gas emissions across EU member states: Population density vs physical compactness. Applied Energy, 2019, 254, 113671.	5.1	48
97	The effects of fructooligosaccharide on the immune response, antioxidant capability and HSP70 and HSP90 expressions in blunt snout bream (Megalobrama amblycephala Yih) under high heat stress. Aquaculture, 2014, 433, 458-466.	1.7	46
98	Numerical study of a photovoltaic/thermal hybrid system with nanofluid based spectral beam filters. Energy Conversion and Management, 2018, 174, 686-704.	4.4	44
99	Catalytic Enantioselective Synthesis of $\pm$ Chiral Azaheteroaryl Ethylamines by Asymmetric Protonation. Angewandte Chemie - International Edition, 2018, 57, 11374-11377.	7.2	44
100	Spatial patterns of urban green infrastructure for equity: A novel exploration. Journal of Cleaner Production, 2019, 238, 117858.	4.6	44
101	Mass transport analysis of a passive vapor-feed direct methanol fuel cell. Journal of Power Sources, 2010, 195, 7011-7024.	4.0	43
102	Epigenetic targets and drug discovery. , 2014, 143, 275-294.		43
103	Improving the water management and cell performance for the passive vapor-feed DMFC fed with neat methanol. International Journal of Hydrogen Energy, 2011, 36, 8468-8477.	3.8	42
104	Sequence-Specific Recognition of a PxLPxl/L Motif by an Ankyrin Repeat Tumbler Lock. Science Signaling, 2012, 5, ra39.	1.6	42
105	An efficient code to optimize the heliostat field and comparisons between the biomimetic spiral and staggered layout. Renewable Energy, 2016, 87, 720-730.	4.3	42
106	Effect of Anode Slippage on Cathode Cutoff Potential and Degradation Mechanisms in Ni-Rich Li-Ion Batteries. Cell Reports Physical Science, 2020, 1, 100253.	2.8	42
107	Transition Metal Dissolution and Degradation in NMC811-Graphite Electrochemical Cells. Journal of the Electrochemical Society, 2021, 168, 060518.	1.3	42
108	Structural insights into SETD3-mediated histidine methylation on $\beta$ -actin. ELife, 2019, 8, .	2.8	42

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109	Feeding rates affect growth, intestinal digestive and absorptive capabilities and endocrine functions of juvenile blunt snout bream <i>Megalobrama amblycephala</i> . <i>Fish Physiology and Biochemistry</i> , 2016, 42, 689-700.	0.9	41
110	Structural Basis for Specific Binding of Human MPP8 Chromodomain to Histone H3 Methylated at Lysine 9. <i>PLoS ONE</i> , 2011, 6, e25104.	1.1	41
111	Solution structure of SUMO from <i>Trypanosoma brucei</i> and its interaction with Ubc9. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 76, 266-269.	1.5	40
112	Off-design performance of concentrated solar heat and coal double-source boiler power generation with thermocline energy storage. <i>Applied Energy</i> , 2017, 189, 697-710.	5.1	40
113	Dietary carbohydrate levels and lipid sources modulate the growth performance, fatty acid profiles and intermediary metabolism of blunt snout bream <i>Megalobrama amblycephala</i> in an interactive pattern. <i>Aquaculture</i> , 2017, 481, 140-153.	1.7	40
114	First critical repressive H3K27me3 marks in embryonic stem cells identified using designed protein inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10125-10130.	3.3	39
115	Solvent-cast based metal 3D printing and secondary metallic infiltration. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10448-10455.	2.7	38
116	Structure of strongly turbulent premixed n-dodecane-air flames: Direct numerical simulations and chemical explosive mode analysis. <i>Combustion and Flame</i> , 2019, 209, 27-40.	2.8	38
117	Foliar application of Zn reduces Cd accumulation in grains of late rice by regulating the antioxidant system, enhancing Cd chelation onto cell wall of leaves, and inhibiting Cd translocation in rice. <i>Science of the Total Environment</i> , 2021, 770, 145302.	3.9	38
118	Physical parameter identification of nonlinear base-isolated buildings using seismic response data. <i>Computers and Structures</i> , 2014, 145, 47-57.	2.4	37
119	Physical Parameter Identification of Structural Systems with Hysteretic Pinching. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015, 30, 247-262.	6.3	37
120	Thermophysical property measurements and thermal energy storage capacity analysis of aluminum alloys. <i>Solar Energy</i> , 2016, 137, 66-72.	2.9	37
121	A novel hybrid storage system integrating a packed-bed thermocline tank and a two-tank storage system for concentrating solar power (CSP) plants. <i>Applied Thermal Engineering</i> , 2016, 92, 24-31.	3.0	37
122	Co <sub>3</sub> O <sub>4</sub> -Catalyzed LiOH Chemistry in Li <sup>+</sup> O <sub>2</sub> Batteries. <i>ACS Energy Letters</i> , 2020, 5, 3681-3691.	8.8	37
123	Energy analysis of a hybrid solar concentrating photovoltaic/concentrating solar power (CPV/CSP) system. <i>Science Bulletin</i> , 2015, 60, 460-469.	4.3	36
124	Long-term administration of benfotiamine benefits the glucose homeostasis of juvenile blunt snout bream <i>Megalobrama amblycephala</i> fed a high-carbohydrate diet. <i>Aquaculture</i> , 2017, 470, 74-83.	1.7	36
125	A novel PtRu nanoclusters synthesized by selectively electrodepositing Ir on PtRu as highly active bifunctional electrocatalysts for oxygen evolution and reduction. <i>Energy Conversion and Management</i> , 2018, 155, 182-187.	4.4	36
126	Feeding restriction alleviates high carbohydrate diet-induced oxidative stress and inflammation of <i>Megalobrama amblycephala</i> by activating the AMPK-SIRT1 pathway. <i>Fish and Shellfish Immunology</i> , 2019, 92, 637-648.	1.6	36



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127	Ecosystem services response to rural-urban transitions in coastal and island cities: A comparison between Shenzhen and Hong Kong, China. <i>Journal of Cleaner Production</i> , 2020, 260, 121033.	4.6	36
128	Solution Structure of Human Peptidyl Prolyl Isomerase-like Protein 1 and Insights into Its Interaction with SKIP*. <i>Journal of Biological Chemistry</i> , 2006, 281, 15900-15908.	1.6	35
129	A high pressure x-ray photoelectron spectroscopy experimental method for characterization of solid-liquid interfaces demonstrated with a Li-ion battery system. <i>Review of Scientific Instruments</i> , 2015, 86, 044101.	0.6	34
130	Compressed-Sensing Assisted Spatial Multiplexing Aided Spatial Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2018, 17, 794-807.	6.1	34
131	Dynamic adaptive combustion modeling of spray flames based on chemical explosive mode analysis. <i>Combustion and Flame</i> , 2018, 195, 30-39.	2.8	34
132	Adaptive Coherent/Non-Coherent Spatial Modulation Aided Unmanned Aircraft Systems. <i>IEEE Wireless Communications</i> , 2019, 26, 170-177.	6.6	34
133	Effect of extrusion ratio and temperature on microstructures and tensile properties of extruded Mg-Gd-Y-Mn-Sc alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 800, 140330.	2.6	34
134	CaCo <sub>0.05</sub> Mn <sub>0.95</sub> O <sub>3</sub> : A Promising Perovskite Solid Solution for Solar Thermochemical Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 3856-3866.	4.0	34
135	A hard X-ray photoelectron spectroscopy study on the solid electrolyte interphase of a lithium 4,5-dicyano-2-(trifluoromethyl)imidazolid based electrolyte for Si-electrodes. <i>Journal of Power Sources</i> , 2016, 301, 105-112.	4.0	33
136	Xylooligosaccharides benefits the growth, digestive functions and TOR signaling in <i>Megalobrama amblycephala</i> fed diets with fish meal replaced by rice protein concentrate. <i>Aquaculture</i> , 2019, 500, 417-428.	1.7	33
137	A fretting test apparatus for measuring friction hysteresis of bolted joints. <i>Tribology International</i> , 2020, 151, 106431.	3.0	33
138	Molecular basis for arginine C-terminal degron recognition by Cul2FEM1 E3 ligase. <i>Nature Chemical Biology</i> , 2021, 17, 254-262.	3.9	33
139	Crystal structures of the coil 2B fragment and the globular tail domain of human lamin B1. <i>FEBS Letters</i> , 2012, 586, 314-318.	1.3	32
140	Thermal conductivity investigations of granular and powdered silica aerogels at different temperatures and pressures. <i>Energy and Buildings</i> , 2016, 118, 226-231.	3.1	32
141	On the Capacity Losses Seen for Optimized Nano-Si Composite Electrodes in Li-Metal Half-Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1901608.	10.2	32
142	Reduced-Complexity Iterative-Detection-Aided Generalized Space-Time Shift Keying. <i>IEEE Transactions on Vehicular Technology</i> , 2012, 61, 3656-3664.	3.9	31
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