

Xiao-Ming Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

647
papers

44,900
citations

111
h-index

188
g-index

681
ext. papers

48,770
ext. citations

6.3
avg, IF

7.79
L-index

#	Paper	IF	Citations
647	Above-Room-Temperature Ferroelastic Phase Transitions in Two Tetrafluoroborate-Based Hexagonal Molecular Perovskites.. <i>Inorganic Chemistry</i> , 2022 ,	5.1	3
646	Ferroelasticity, thermochromism, semi-conductivity, and ferromagnetism in a new layered perovskite: (4-fluorophenethylammonium) ₂ [CuCl ₄]. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 5482-5488	7.1	3
645	Silver(I)-Based Molecular Perovskite Energetic Compounds with Exceptional Thermal Stability and Energetic Performance.. <i>Inorganic Chemistry</i> , 2022 , 61, 4143-4149	5.1	0
644	Microporous Zinc Formate for Efficient Separation of Acetylene over Carbon Dioxide. <i>Chemical Research in Chinese Universities</i> , 2022 , 38, 87-91	2.2	1
643	Electrostatic Attraction-Driven Assembly of a Metal-Organic Framework with a Photosensitizer Boosts Photocatalytic CO Reduction to CH ₄ . <i>Journal of the American Chemical Society</i> , 2021 , 143, 17424-17430	16.4	14
642	A Cu(111)@metal-organic framework as a tandem catalyst for highly selective CO electroreduction to CH ₄ . <i>Chemical Communications</i> , 2021 , 57, 12764-12767	5.8	4
641	A metamaterial lens based on transformation optics for horizontal radiation of OAM vortex waves. <i>Journal of Applied Physics</i> , 2021 , 129, 104101	2.5	1
640	Performance Analysis of Millimeter Wave Wireless Power Transfer With Imperfect Beam Alignment. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 2605-2618	6.8	4
639	Two enantiomeric perovskite ferroelectrics with a high T _c raised by inserting intermolecular hydrogen bonds. <i>APL Materials</i> , 2021 , 9, 031102	5.7	5
638	Ultrathin 2D Copper(I) 1,2,4-Triazolate Coordination Polymer Nanosheets for Efficient and Selective Gene Silencing and Photodynamic Therapy. <i>Advanced Materials</i> , 2021 , 33, e2100849	24	11
637	Compact multi-functional frequency-selective absorber based on customizable impedance films. <i>Optics Express</i> , 2021 , 29, 14974-14984	3.3	2
636	Field-induced oscillation of magnetization blocking barrier in a holmium metallacrown single-molecule magnet. <i>Chem</i> , 2021 , 7, 982-992	16.2	15
635	Graphene-Like Hydrogen-Bonded Melamine-Cyanuric Acid Supramolecular Nanosheets as Pseudo-Porous Catalyst Support. <i>Advanced Materials</i> , 2021 , 33, e2007368	24	5
634	Decoupling of Microstrip Antennas With Defected Ground Structure Using the Common/Differential Mode Theory. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 828-832	3.8	16
633	Highly Selective CO Electroreduction to CH ₄ Using a Metal-Organic Framework with Dual Active Sites. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7242-7246	16.4	63
632	Mutual Coupling Reduction With Dielectric Superstrate for Base Station Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 843-847	3.8	12
631	Post-Synthetic Coordination Modification of Robust Pillared-Rod Metal-Azolate Frameworks for Diversified Applications. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2021 , 77, 3-10	0.3	0

630	Dynamic Pendulum Effect of an Exceptionally Flexible Pillared-Layer Metal-Organic Framework <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2718-2724	4.9	1
629	Efficient Restraint of Intra-Cluster Aggregation-Caused Quenching Effect Lighting Room-Temperature Photoluminescence. <i>Advanced Optical Materials</i> , 2021 , 9, 2100757	8.1	3
628	A 16-Channel Dense Array for In Vivo Animal Cortical MRI/fMRI on 7T Human Scanners. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 1611-1618	5	2
627	Critical frequency of metasurfaces on dielectric half-space. <i>Electronics Letters</i> , 2021 , 57, 164-165	1.1	
626	An unprecedented hexagonal double perovskite organic-inorganic hybrid ferroelastic material: (piperidinium)[KBiCl]. <i>Chemical Communications</i> , 2021 , 57, 6292-6295	5.8	5
625	A Unified Approach for Uncertainty Analyses for Total Radiated Power and Total Isotropic Sensitivity Measurements in Reverberation Chamber. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	3
624	A Decoupling Network for Resonant and Non-Resonant Sub-1 GHz MIMO Mobile Terminal Antennas With Improved Compactness and Efficiency. <i>IEEE Access</i> , 2021 , 9, 59475-59485	3.5	
623	Statics and dynamics of ferroelectric domains in molecular multiaxial ferroelectric (Me ₃ NOH) ₂ [KCo(CN) ₆]. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10741-10748	7.1	3
622	Highly Efficient Electroconversion of CO ₂ into CH ₄ by a Metal-Organic Framework with Trigonal Pyramidal Cu(I)N ₃ Active Sites. <i>ACS Catalysis</i> , 2021 , 11, 11786-11792	13.1	7
621	Structural insights into a new family of three-dimensional thiocyanate-bridged molecular double perovskites. <i>CrystEngComm</i> , 2021 , 23, 2208-2214	3.3	2
620	Effects of Signal Bandwidth on Total Isotropic Sensitivity Measurements in Reverberation Chamber. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-8	5.2	4
619	Room-temperature ferroelectric and ferroelastic orders coexisting in a new tetrafluoroborate-based perovskite. <i>Chemical Science</i> , 2021 , 12, 8713-8721	9.4	6
618	Four-Dimensional Characteristic Matrix for Electromagnetic Coupling of Multilayer Sub-Wavelength Metasurface System. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020 , 62, 2765-2772	2	2
617	A metal-organic framework with in situ generated low-coordinate binuclear Cu(i) units as a highly effective catalyst for photodriven hydrogen production. <i>Chemical Communications</i> , 2020 , 56, 6700-6703	5.8	9
616	Direction-of-Arrival Estimation in the Presence of Phase Noise. <i>IEEE Communications Letters</i> , 2020 , 24, 1710-1714	3.8	0
615	A Generalized Accurate Model for Complementary Periodic Subwavelength Metasurface Based on Babinet Principle. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3780-3790	4.9	5
614	Electrolyte Membranes with Biomimetic Lithium-Ion Channels. <i>Nano Letters</i> , 2020 , 20, 5435-5442	11.5	25
613	Controlled manipulation of TiO nanoclusters inside mesochannels of core-shell silica particles as stationary phase for HPLC separation. <i>Mikrochimica Acta</i> , 2020 , 187, 328	5.8	

612	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , 2020 , 12, 764-772	17.6	207
611	Molecule-based nonlinear optical switch with highly tunable on-off temperature using a dual solid solution approach. <i>Nature Communications</i> , 2020 , 11, 2752	17.4	25
610	Nitroprusside as a promising building block to assemble an organic-inorganic hybrid for thermo-responsive switching materials. <i>Chemical Communications</i> , 2020 , 56, 5488-5491	5.8	10
609	Enhancing switchable dielectric property for crystalline supramolecular rotor compounds by adding polar components. <i>Chemical Communications</i> , 2020 , 56, 4114-4117	5.8	1
608	How Cobalt and Iron Doping Determine the Oxygen Evolution Electrocatalytic Activity of NiOOH. <i>Cell Reports Physical Science</i> , 2020 , 1, 100077	6.1	15
607	The Gigantic {NiGd} Hexagon: A Sulfate-Templated "Star-of-David" for Photocatalytic CO Reduction and Magnetic Cooling. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4663-4670	16.4	53
606	The Importance of Continuity for Linear Time-Invariant Systems [Lecture Notes]. <i>IEEE Signal Processing Magazine</i> , 2020 , 37, 77-100	9.4	1
605	Performance Study of a MIMO Mobile Terminal With Upto 18 Elements Operating in the Sub-6 GHz 5G Band With User Hand. <i>IEEE Access</i> , 2020 , 8, 28164-28177	3.5	7
604	Metal-Free Molecular Perovskite High-Energetic Materials. <i>Crystal Growth and Design</i> , 2020 , 20, 1891-1897	3.5	30
603	Orbital Angular Momentum Multiplexing in Highly Reverberant Environments. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 112-115	2.6	38
602	Molecular perovskites as a new platform for designing advanced multi-component energetic crystals. <i>Energetic Materials Frontiers</i> , 2020 , 1, 123-135	3.3	11
601	Launcher of high-order Bessel vortex beam carrying orbital angular momentum by designing anisotropic holographic metasurface. <i>Applied Physics Letters</i> , 2020 , 117, 243503	3.4	5
600	Cardioprotective effect of the polysaccharide from <i>Ophiopogon japonicus</i> on isoproterenol-induced myocardial ischemia in rats. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 233-240	7.9	21
599	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 2232-2243	8.1	4
598	An Omnidirectional Multiband Antenna for Railway Application. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 54-58	3.8	4
597	A Metasurface Superstrate for Mutual Coupling Reduction of Large Antenna Arrays. <i>IEEE Access</i> , 2020 , 8, 126859-126867	3.5	11
596	Metal-Free Hexagonal Perovskite High-Energetic Materials with NH ₃ OH ⁺ /NH ₂ NH ₃ ⁺ as B-Site Cations. <i>Engineering</i> , 2020 , 6, 1013-1018	9.7	18
595	Statistical Analysis of Antenna Efficiency Measurements With Non-Reference Antenna Methods in a Reverberation Chamber. <i>IEEE Access</i> , 2020 , 8, 113967-113980	3.5	6

594	. <i>IEEE Access</i> , 2020 , 8, 121311-121318	3.5	2
593	A large room-temperature entropy change in a new hybrid ferroelastic with an unconventional bond-switching mechanism. <i>Chemical Communications</i> , 2020 , 56, 10054-10057	5.8	11
592	Intramolecular charge transfer ampholytes with water-induced pendulum-type fluorescence variation. <i>Chemical Communications</i> , 2020 , 56, 10702-10705	5.8	3
591	Assembled medium: A route to the generation of vortex waves carrying orbital angular momentum with different modes. <i>Journal of Applied Physics</i> , 2020 , 128, 044101	2.5	2
590	Tuning the packing, interpenetration, and porosity of two-dimensional networks by metal ions and ligand side groups. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3424-3430	6.8	2
589	. <i>IEEE Access</i> , 2020 , 8, 137711-137719	3.5	5
588	Split-Ring Resonator-Loaded Baffles for Decoupling of Dual-Polarized Base Station Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1828-1832	3.8	19
587	Statistical analysis of measurement uncertainty in total radiated power of wireless devices in reverberation chamber. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 1241-1245	1.6	3
586	Photoresponsive Organic-Inorganic Hybrid Ferroelectric Designed at the Molecular Level. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16990-16998	16.4	40
585	Novel Organic/Inorganic Hybrid Star Polymer Surface-Crosslinked with Polyhedral Oligomeric Silsesquioxane. <i>Macromolecular Research</i> , 2020 , 28, 152-158	1.9	4
584	Blue-to-transmissive electrochromic poly(2,3-dimethyl-2,3-dihydrothieno[3,4-b][1,4]dioxine) (PEDOT-Me ₂) with improved optical contrast. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 441-445	2.6	2
583	Dual-Polarized Broadband Base Station Antenna Backed With Dielectric Cavity for 5G Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2051-2055	3.8	29
582	Switching hydrogen bonds to readily interconvert two room-temperature long-term stable crystalline polymorphs in chiral molecular perovskites. <i>Chemical Communications</i> , 2019 , 55, 11555-11558	5.8	12
581	An exceptionally stable octacobalt-cluster-based metal-organic framework for enhanced water oxidation catalysis. <i>Chemical Science</i> , 2019 , 10, 9859-9864	9.4	20
580	Adsorptive separation of carbon dioxide: From conventional porous materials to metal-organic frameworks. <i>EnergyChem</i> , 2019 , 1, 100016	36.9	64
579	Mutual Coupling Suppression With Decoupling Ground for Massive MIMO Antenna Arrays. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 7273-7282	6.8	40
578	Unprecedented water-controlled rotator-stator conversion of supramolecular rotors in crystals. <i>Chemical Communications</i> , 2019 , 55, 7159-7162	5.8	9
577	Bandpass FSS With Zeros Adjustable Quasi-Elliptic Response. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1184-1188	3.8	11

576	On Near-Field and Far-Field Correlations in Reverberation Chambers. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 74-76	2.6	3
575	Supercooling Behavior and Dipole-Glass-like Relaxation in a Three-Dimensional Water Framework. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5645-5649	16.4	6
574	Characterizations of Mutual Coupling Effects on Switch-Based Phased Array Antennas for 5G Millimeter-Wave Mobile Communications. <i>IEEE Access</i> , 2019 , 7, 31376-31384	3.5	22
573	Partially Fluorinated Cu(I) Triazolate Frameworks with High Hydrophobicity, Porosity, and Luminescence Sensitivity. <i>Inorganic Chemistry</i> , 2019 , 58, 3944-3949	5.1	9
572	Selective Aerobic Oxidation of a Metal-Organic Framework Boosts Thermodynamic and Kinetic Propylene/Propane Selectivity. <i>Angewandte Chemie</i> , 2019 , 131, 7774-7778	3.6	22
571	Selective Aerobic Oxidation of a Metal-Organic Framework Boosts Thermodynamic and Kinetic Propylene/Propane Selectivity. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7692-7696	16.4	63
570	Dual-Band Eight-Antenna Array Design for MIMO Applications in 5G Mobile Terminals. <i>IEEE Access</i> , 2019 , 7, 71636-71644	3.5	60
569	Generation of a microwave beam with both orbital and spin angular momenta using a transparent metasurface. <i>Journal of Applied Physics</i> , 2019 , 126, 063108	2.5	7
568	Improving Field Uniformity Using Source Stirring With Orbital Angular Momentum Modes in a Reverberation Chamber. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 560-562	2.6	12
567	A new ferroelastic hybrid material with a large spontaneous strain: (MeNOH)[ZnCl]. <i>Chemical Communications</i> , 2019 , 55, 8983-8986	5.8	23
566	Radiofrequency Ablation Following Downstaging of Hepatocellular Carcinoma by Using Transarterial Chemoembolization: Long-term Outcomes. <i>Radiology</i> , 2019 , 293, 707-715	20.5	13
565	Unique Freezing Dynamics of Flexible Guest Cations in the First Molecular Postperovskite Ferroelectric: (C ₅ H ₁₃ NBr)[Mn(N(CN) ₂) ₃]. <i>CCS Chemistry</i> , 2019 , 1, 448-454	7.2	63
564	Flexibility of Metal-Organic Framework Tunable by Crystal Size at the Micrometer to Submillimeter Scale for Efficient Xylene Isomer Separation. <i>Research</i> , 2019 , 2019, 9463719	7.8	21
563	Single-side and double-side swing behaviours of a flexible porous coordination polymer with a rhombic-lattice structure. <i>CrystEngComm</i> , 2019 , 21, 1872-1875	3.3	
562	Investigation of automotive testing in a reverberation chamber. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 2605-2609	1.6	1
561	On the resonant frequencies of dual-band patch antennas. <i>Electronics Letters</i> , 2019 , 55, 368-370	1.1	4
560	Isostructural phase transition and tunable water rotation within a unique solid rotor system. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13176-13181	7.1	4
559	A local hydrophobic environment in a metal-organic framework for boosting photocatalytic CO reduction in the presence of water. <i>Chemical Communications</i> , 2019 , 55, 14781-14784	5.8	18

558	An Optically Transparent Metasurface-Based Resonant Cavity Fed by Patch Antenna for Improved Gain. <i>Materials</i> , 2019 , 12,	3.5	1
557	Measurement uncertainty of RC and its reduction techniques for OTA tests: a review. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 2598-2604	1.6	5
556	Mutual coupling and correlation of closely spaced patch antennas. <i>Electronics Letters</i> , 2019 , 55, 724-726	1.1	4
555	Analysis of Complementary Metasurfaces Based on the Babinet Principle. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 8-10	2.6	4
554	Temperature-Induced Structural Phase Transitions in Two New Postperovskite Coordination Polymers. <i>Crystal Growth and Design</i> , 2019 , 19, 1111-1117	3.5	13
553	Generation of Multiple Modes Microwave Vortex Beams Using Active Metasurface. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 59-63	3.8	33
552	Non-3d Metal Modulation of a Cobalt Imidazolate Framework for Excellent Electrocatalytic Oxygen Evolution in Neutral Media. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 139-143	16.4	72
551	Non-3d Metal Modulation of a Cobalt Imidazolate Framework for Excellent Electrocatalytic Oxygen Evolution in Neutral Media. <i>Angewandte Chemie</i> , 2019 , 131, 145-149	3.6	11
550	A simple tridiagonal loading method for robust adaptive beamforming. <i>Signal Processing</i> , 2019 , 157, 103-107	4.4	17
549	Broadly absorbing bluish black-to-transmissive sky blue electrochromic polymer based on 3,4-dioxythiophene. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 19-25	2.6	6
548	Throughput Modeling and Validations for MIMO-OTA Testing With Arbitrary Multipath. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 637-640	3.8	13
547	A Low-Profile Angle-Insensitive Bandpass Frequency-Selective Surface Based on Vias. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 200-202	2.6	15
546	Babinet Principle for Anisotropic Metasurface With Different Substrates Under Obliquely Incident Plane Wave. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 2704-2713	4.1	13
545	Dendritic core-shell silica spheres with large pore size for separation of biomolecules. <i>Journal of Chromatography A</i> , 2018 , 1540, 31-37	4.5	17
544	Bromocholine bromide is a molecular ferroelectric with moderate phase transition temperature. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2221-2224	7.1	11
543	Hydroxide Ligands Cooperate with Catalytic Centers in Metal-Organic Frameworks for Efficient Photocatalytic CO Reduction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 38-41	16.4	243
542	Molecular Dynamics, Phase Transition and Frequency-Tuned Dielectric Switch of an Ionic Co-Crystal. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8032-8036	16.4	33
541	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 964-968	3.8	8

540	A Review of Mutual Coupling in MIMO Systems. <i>IEEE Access</i> , 2018 , 6, 24706-24719	3.5	146
539	Frequency-Diverse Transmission Metamaterial Aperture With a Bunching Random Beam. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1029-1033	3.8	10
538	Frequency-Polarization-Diverse Aperture for Coincidence Imaging. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 82-84	2.6	12
537	Molecular perovskite high-energetic materials. <i>Science China Materials</i> , 2018 , 61, 1123-1128	7.1	59
536	Room-temperature optic-electric duple bistabilities induced by plastic transition. <i>Chemical Communications</i> , 2018 , 54, 3347-3350	5.8	23
535	Controlling flexibility of metal-organic frameworks. <i>National Science Review</i> , 2018 , 5, 907-919	10.8	150
534	Tangential Network Transmission Theory of Reflective Metasurface With Obliquely Incident Plane Waves. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 64-72	4.1	11
533	Spin-reorientation-induced magnetodielectric coupling effects in two layered perovskite magnets. <i>Chemical Science</i> , 2018 , 9, 7413-7418	9.4	32
532	Hollow Waveguide 32 \times 2-Slot Array Antenna Covering 71-86 GHz Band by the Technology of a Polyetherimide Fabrication. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1635-1638	3.8	20
531	Highly Efficient Separation of Glycoprotein by Dual-Functional Magnetic Metal-Organic Framework with Hydrophilicity and Boronic Acid Affinity. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27612-27620	9.5	40
530	Navy-to-transmissive electrochromic polymer based on 3,4-propylenedioxythiophene. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 16469-16477	2.1	6
529	Controlling Thermal Expansion Behaviors of Fence-Like Metal-Organic Frameworks by Varying/Mixing Metal Ions. <i>Frontiers in Chemistry</i> , 2018 , 6, 306	5	2
528	The Kernel Conjugate Gradient Algorithms. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 4377-4387	4.8	20
527	Molecular Dynamics, Phase Transition and Frequency-Tuned Dielectric Switch of an Ionic Co-Crystal. <i>Angewandte Chemie</i> , 2018 , 130, 8164-8168	3.6	14
526	Empirical Study of Angular-Temporal Spectra in a Reverberation Chamber. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6452-6456	4.9	11
525	Design of a Low-Profile Antenna for Use with 698-2,700 MHz Femtocell Base Stations [Antenna Applications Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2018 , 60, 84-94	1.7	3
524	On Low-Pass Phase Noise Mitigation in OFDM System for mmWave Communications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 271-280	9.2	80
523	Mesoporous Metal-Organic Frameworks with Exceptionally High Working Capacities for Adsorption Heat Transformation. <i>Advanced Materials</i> , 2018 , 30, 1704350	24	29

522	Reverberation Chambers for Over-the-Air Tests: An Overview of Two Decades of Research. <i>IEEE Access</i> , 2018 , 6, 49129-49143	3.5	27
521	. <i>IEEE Access</i> , 2018 , 6, 56514-56525	3.5	12
520	Optimizing the oxygen balance by changing the A-site cations in molecular perovskite high-energetic materials. <i>CrystEngComm</i> , 2018 , 20, 7458-7463	3.3	29
519	A flexible metal-organic framework with adaptive pores for high column-capacity gas chromatographic separation. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2777-2783	6.8	5
518	Direct synthesis of an aliphatic amine functionalized metal-organic framework for efficient CO ₂ removal and CH ₄ purification. <i>CrystEngComm</i> , 2018 , 20, 5969-5975	3.3	9
517	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2018 , 30, e1801171	24	134
516	Uplink Multiuser MIMO-OFDM System in the Presence of Phase Noises, Power Imbalance, and Correlation. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-8	1.9	1
515	Modular and Stepwise Synthesis of a Hybrid Metal-Organic Framework for Efficient Electrocatalytic Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1778-1781	16.4	273
514	OFDM Based Multi-Node Transmission in the Presence of Phase Noises for Small Cell Backhaul. <i>IEEE Communications Letters</i> , 2017 , 21, 1207-1210	3.8	8
513	Dynamic Magnetic and Optical Insight into a High Performance Pentagonal Bipyramidal Dy Single-Ion Magnet. <i>Chemistry - A European Journal</i> , 2017 , 23, 5708-5715	4.8	79
512	A New Isomeric Porous Coordination Framework Showing Single-Crystal to Single-Crystal Structural Transformation and Preferential Adsorption of 1,3-Butadiene from C ₄ Hydrocarbons. <i>Crystal Growth and Design</i> , 2017 , 17, 2166-2171	3.5	22
511	Dynamic Magnetic and Optical Insight into a High-Performance Pentagonal Bipyramidal Dy ^{III} Single-Ion Magnet. <i>Chemistry - A European Journal</i> , 2017 , 23, 5630-5630	4.8	4
510	Deformable Mn(III)-Schiff-base dimer for anomalously large positive and negative anisotropic thermal expansions. <i>CrystEngComm</i> , 2017 , 19, 1725-1728	3.3	3
509	A Molecular Perovskite with Switchable Coordination Bonds for High-Temperature Multiaxial Ferroelectrics. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6369-6375	16.4	187
508	Direct Observation of Confined I ⁻ ·····I ⁻ Interactions in a Metal-Organic Framework: Iodine Capture and Sensing. <i>Chemistry - A European Journal</i> , 2017 , 23, 8409-8413	4.8	48
507	A near-room-temperature organic-inorganic hybrid ferroelectric: [CHCHCHNH][CdI]. <i>Chemical Communications</i> , 2017 , 53, 5764-5766	5.8	51
506	Controlling guest conformation for efficient purification of butadiene. <i>Science</i> , 2017 , 356, 1193-1196	33.3	421
505	Core-shell silica particles with dendritic pore channels impregnated with zeolite imidazolate framework-8 for high performance liquid chromatography separation. <i>Journal of Chromatography A</i> , 2017 , 1505, 63-68	4.5	38

504	An Exceptionally Water Stable Metal-Organic Framework with Amide-Functionalized Cages: Selective CO /CH Uptake and Removal of Antibiotics and Dyes from Water. <i>Chemistry - A European Journal</i> , 2017 , 23, 13058-13066	4.8	47
503	Cage-Confinement Pyrolysis Route to Ultrasmall Tungsten Carbide Nanoparticles for Efficient Electrocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5285-5288	16.4	274
502	Mixed-Lanthanide Porous Coordination Polymers Showing Range-Tunable Ratiometric Luminescence for O Sensing. <i>Inorganic Chemistry</i> , 2017 , 56, 4238-4243	5.1	52
501	Rods-on-sphere silica particles for high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2017 , 1497, 87-91	4.5	8
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14	Metal-betaine interactions. Preparation and crystal structures of bis(triethyl betaine)bis(nitrato)disilver(I) and catena-bis(triethyl betaine)disilver(I) diperchlorate. <i>Polyhedron</i> , 1991 , 10, 2687-2691	2.7	28
13	Crystal and molecular structure of 3-carboxy-1-(carboxymethyl)pyridinium hydroxide inner salt, C ₅ H ₄ (COO)NCH ₂ COOH. <i>Journal of Molecular Structure</i> , 1991 , 249, 135-140	3.4	16
12	Crystal structure of [Mn(bpy) ₃](ClO ₄) ₂ ·0.5(bpy) (bpy=2,2'-bipyridine). <i>Journal of Chemical Crystallography</i> , 1991 , 27, 441-444	0.5	5
11	Metal-betaine interactions. Crystal and molecular structure of tetrakis(betaine)copper(II) nitrate, [Cu(Me ₃ NCH ₂ COO) ₄](NO ₃) ₂ . <i>Polyhedron</i> , 1991 , 10, 273-276	2.7	34
10	Metal-betaine interactions. Part 13. Preparation and crystal structures of four polymeric silver(I) complexes of betaine derivatives. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 3253-3258		54
9	Metal-betaine interactions. Part 3. Crystal structures of polymeric diaquabis(betaine)disilver(I) dinitrate and bis(pyridine betaine)disilver(I) diperchlorate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 1219-1222		53
8	Crystal structure of BIS(Betaine) hydrochloride monohydrate. <i>Journal of Molecular Structure</i> , 1990 , 240, 69-75	3.4	52
7	Crystal structure of a non-stoichiometric channel inclusion complex of 1-benzyl-6-phenylpiperidin-2-one-5-carboxylic acid with acetonitrile. <i>Journal of Inclusion Phenomena</i> , 1988 , 6, 507-513		3
6	Insight into the Effect of the d-Orbital Energy of Copper Ions in Metal-Organic Frameworks on the Selectivity of Electroreduction of CO ₂ to CH ₄ . <i>ACS Catalysis</i> , 2749-2755	13.1	2
5	An Exceptional Thermally Induced Four-State Nonlinear Optical Switch Arising from Stepwise Molecular Dynamic Changes in a New Hybrid Salt. <i>Angewandte Chemie</i> ,	3.6	1
4	High- and low-temperature dual ferroelasticity in a new hybrid crystal: (Me ₃ NCH ₂ CH ₂ OH) ₄ [Ni(NCS) ₆]. <i>Science China Materials</i> , 1	7.1	1
3	Partial Order-Disorder Transformation of Interpenetrated Porous Coordination Polymers. <i>CCS Chemistry</i> , 1532-1541	7.2	1
2	Four-step thermosensitive dielectric response arising from motionable low-symmetry ammonium confined in deformable supramolecular cages. <i>Journal of Materials Chemistry C</i> ,	7.1	4
1	Biodiversity Benefits for Size Modulation of Metal Nanoparticles to Achieve In Situ Semi-Oxidation toward Optimized Electrocatalytic Oxygen Evolution. <i>Advanced Functional Materials</i> , 2202119	15.6	1

