Zhiwei Hu

List of Publications by Year in Descending Order

286 papers	8,495 citations	47 h-index	78 g-index
300 ext. papers	10,397 ext. citations	7.4 avg, IF	5.75 L-index

#	Paper	IF	Citations
286	A Ferrotoroidic Candidate with Well-separated Spin Chains.. *Advanced Materials*, **2022**, e2106728	24	0
285	Dynamic structural transformation induced by defects in nano-rod FeOOH during electrochemical water splitting. *Journal of Materials Chemistry A*, **2022**, 10, 602-610	13	4
284	The origin of fast-charging lithium iron phosphate for batteries **2022**, 1, 20210010		2
283	Fe4-xNixNb2O9 (x 1): Nickel impact on the magnetoelectric properties of Fe4Nb2O9. *Solid State Sciences*, **2022**, 125, 106821	3.4	
282	Hierarchical Structure of CuO Nanowires Decorated with Ni(OH) Supported on Cu Foam for Hydrogen Production via Urea Electrocatalysis.. *Small Methods*, **2022**, 6, e2101017	12.8	5
281	Controllable sites and high-capacity immobilization of uranium in NdZrO pyrochlore.. *Journal of Synchrotron Radiation*, **2022**, 29, 37-44	2.4	0
280	Effect of vacancy-tailored Mn3+ spinning on enhancing structural stability. *Energy Storage Materials* , **2022**, 44, 231-238	19.4	7
279	In Situ Exploring of the Origin of the Enhanced Oxygen Evolution Reaction Efficiency of Metal(Co/Fe) Organic Framework Catalysts Via Postprocessing. *ACS Catalysis*, **2022**, 12, 3138-3148	13.1	3
278	New Undisputed Evidence and Strategy for Enhanced Lattice-Oxygen Participation of Perovskite Electrocatalyst through Cation Deficiency Manipulation.. *Advanced Science*, **2022**, e2200530	13.6	15
277	A universal chemical-induced tensile strain tuning strategy to boost oxygen-evolving electrocatalysis on perovskite oxides. *Applied Physics Reviews*, **2022**, 9, 011422	17.3	6
276	A top-down strategy for amorphization of hydroxyl compounds for electrocatalytic oxygen evolution.. *Nature Communications*, **2022**, 13, 1187	17.4	8
275	Hydrogen spillover in complex oxide multifunctional sites improves acidic hydrogen evolution electrocatalysis.. *Nature Communications*, **2022**, 13, 1189	17.4	12
274	Realization of A Half Metal with a Record-high Curie Temperature in Perovskite Oxides.. *Advanced Materials*, **2022**, e2200626	24	1
273	Magnetic Ordering and Structural Transition in the Ordered Double-Perovskite Pb2NiMoO6. *Chemistry of Materials*, **2022**, 34, 97-106	9.6	0
272	Enabling Anionic Redox Stability of P2-Na Li Mn O by Mg Substitution.. *Advanced Materials*, **2021**, e2105404	24	9
271	First-Principles Insight into the Effects of Intrinsic Oxygen Defects on Proton Conduction in Ruddlesden-Popper Oxides. *Journal of Physical Chemistry Letters*, **2021**, 12, 11503-11510	6.4	0
270	High-Pressure Synthesis and Magnetism of the 4-BaMnO Single Crystal and Its 6-Type Polymorph. *Inorganic Chemistry*, **2021**, 60, 16308-16315	5.1	1

269	Site-Specified Two-Dimensional Heterojunction of Pt Nanoparticles/Metal-Organic Frameworks for Enhanced Hydrogen Evolution. *Journal of the American Chemical Society*, **2021**, 143, 16512-16518	16.4	26
268	Compensating Electronic Effect Enables Fast Site-to-Site Electron Transfer over Ultrathin RuMn Nanosheet Branches toward Highly Electroactive and Stable Water Splitting. *Advanced Materials*, **2021**, e2105308	24	17
267	Spontaneous amorphous oxide-interfaced ultrafine noble metal nanoclusters for unexpected anodic electrocatalysis. *Chem Catalysis*, **2021**, 1, 1104-1117		4
266	Observation of novel charge ordering and spin reorientation in perovskite oxide PbFeO. *Nature Communications*, **2021**, 12, 1917	17.4	3
265	Charge and spin degrees of freedom in A-site ordered YCu3Co4O12 and CaCu3Co4O12. *Physical Review B*, **2021**, 103,	3.3	3
264	Structural Anisotropy Determining the Oxygen Evolution Mechanism of Strongly Correlated Perovskite Nickelate Electrocatalyst. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 4262-4270	8.3	8
263	Os Doping Suppressed Cu-Fe Charge Transfer and Induced Structural and Magnetic Phase Transitions in LaCuFeOsO (= 1 and 2). *Inorganic Chemistry*, **2021**, 60, 6298-6305	5.1	0
262	An Efficient Interfacial Synthesis of Two-Dimensional Metal□Organic Framework Nanosheets for Electrochemical Hydrogen Peroxide Production. *Angewandte Chemie*, **2021**, 133, 11290-11295	3.6	1
261	An Efficient Interfacial Synthesis of Two-Dimensional Metal-Organic Framework Nanosheets for Electrochemical Hydrogen Peroxide Production. *Angewandte Chemie - International Edition*, **2021**, 60, 11190-11195	16.4	24
260	High-pressure synthesis, crystal structure, and properties of iron-based spin-chain compound Ba9Fe3Se15. *Physical Review Materials*, **2021**, 5,	3.2	1
259	Boosting oxygen reduction activity and enhancing stability through structural transformation of layered lithium manganese oxide. *Nature Communications*, **2021**, 12, 3136	17.4	12
258	Tailored Brownmillerite Oxide Catalyst with Multiple Electronic Functionalities Enables Ultrafast Water Oxidation. *Chemistry of Materials*, **2021**, 33, 5233-5241	9.6	19
257	Bidirectionally Compatible Buffering Layer Enables Highly Stable and Conductive Interface for 4.5□V Sulfide-Based All-Solid-State Lithium Batteries. *Advanced Energy Materials*, **2021**, 11, 2100881	21.8	9
256	Enhancement of A?-site Mn3+ spin ordering by B-site Mn4+ substitution in quadruple perovskite PbMn3Cr3MnO12. *Applied Physics Letters*, **2021**, 118, 262403	3.4	0
255	High-Performance Perovskite Composite Electrocatalysts Enabled by Controllable Interface Engineering. *Small*, **2021**, 17, e2101573	11	44
254	Spin State and Spin-State Transition of Co3+ Ion in BiCoO3. *Physica Status Solidi (B): Basic Research*, **2021**, 258, 2100117	1.3	0
253	Enhanced oxygen evolution reaction activity of flower-like FeOOH via the synergistic effect of sulfur. *Chemical Engineering Journal*, **2021**, 420, 127587	14.7	11
252	Mg-Pillared LiCoO : Towards Stable Cycling at 4.6 V. *Angewandte Chemie - International Edition*, **2021**, 60, 4682-4688	16.4	37

251	Charge Disproportionation and Complex Magnetism in a PbMnO3 Perovskite Synthesized under High Pressure. *Chemistry of Materials*, **2021**, 33, 92-101	9.6	0
250	Unusual mixed spin-state of Co3+ in the ground state of LaSrCoO4: Combined high-pressure and high-temperature study. *Journal of Alloys and Compounds*, **2021**, 862, 158050	5.7	2
249	Mg-Pillared LiCoO2: Towards Stable Cycling at 4.6 V. *Angewandte Chemie*, **2021**, 133, 4732-4738	3.6	12
248	Growth of LaCoO3 crystals in molten salt: effects of synthesis conditions. *CrystEngComm*, **2021**, 23, 671-677	3.3	2
247	High pressure phase of Ba2FeS3: An antiferromagnet with one-dimensional spin chains. *Journal of Alloys and Compounds*, **2021**, 859, 157839	5.7	6
246	Observation of A-site antiferromagnetic and B-site ferrimagnetic orderings in the quadruple perovskite oxide CaCu3Co2Re2O12. *Physical Review B*, **2021**, 103,	3.3	3
245	Fast operando spectroscopy tracking in situ generation of rich defects in silver nanocrystals for highly selective electrochemical CO reduction. *Nature Communications*, **2021**, 12, 660	17.4	25
244	High-performance diluted nickel nanoclusters decorating ruthenium nanowires for pH-universal overall water splitting. *Energy and Environmental Science*, **2021**, 14, 3194-3202	35.4	19
243	A combinatory ferroelectric compound bridging simple ABO and A-site-ordered quadruple perovskite. *Nature Communications*, **2021**, 12, 747	17.4	9
242	A molecular-level strategy to boost the mass transport of perovskite electrocatalyst for enhanced oxygen evolution. *Applied Physics Reviews*, **2021**, 8, 011407	17.3	12
241	Activating Both Basal Plane and Edge Sites of Layered Cobalt Oxides for Boosted Water Oxidation. *Advanced Functional Materials*, **2021**, 31, 2103569	15.6	9
240	Evidence for largest room temperature magnetic signal from Co2+ in antiphase-free & fully inverted CoFe2O4 in multiferroic-ferrimagnetic BiFeO3-CoFe2O4 nanopillar thin films. *Journal of Magnetism and Magnetic Materials*, **2021**, 530, 167940	2.8	1
239	Kondo effect and superconductivity in niobium with iron impurities. *Scientific Reports*, **2021**, 11, 14256	4.9	2
238	Magnetic and electric field dependent anisotropic magnetoelectric multiferroicity in SmMn3Cr4O12. *Physical Review B*, **2021**, 104,	3.3	3
237	Exceptionally Robust Face-Sharing Motifs Enable Efficient and Durable Water Oxidation. *Advanced Materials*, **2021**, 33, e2103392	24	8
236	In Situ/Operando Capturing Unusual Ir6+ Facilitating Ultrafast Electrocatalytic Water Oxidation. *Advanced Functional Materials*, **2021**, 31, 2104746	15.6	10
235	Tunable one-dimensional inorganic perovskite nanomeshes library for water splitting. *Nano Energy*, **2021**, 88, 106251	17.1	5
234	Synergistic effects in ordered Co oxides for boosting catalytic activity in advanced oxidation processes. *Applied Catalysis B: Environmental*, **2021**, 297, 120463	21.8	11

233	Exceptional lattice-oxygen participation on artificially controllable electrochemistry-induced crystalline-amorphous phase to boost oxygen-evolving performance. *Applied Catalysis B: Environmental*, **2021**, 297, 120484	21.8	8
232	Unexpected increasing Co valence state of an exsolved catalyst by Mo doping for enhanced oxygen evolution reaction. *Chemical Engineering Journal*, **2021**, 425, 130681	14.7	4
231	Crystal and electronic structure of Co3O4 spinel under pressure probed by XANES and Raman spectroscopy. *Physical Review B*, **2021**, 103,	3.3	3
230	Magnetic Frustration in a Zeolite. *Chemistry of Materials*, **2021**, 33, 9725-9731	9.6	
229	5f Covalency Synergistically Boosting Oxygen Evolution of UCoO Catalyst. *Journal of the American Chemical Society*, **2021**,	16.4	4
228	Enhanced magnetization of the highest-TC ferrimagnetic oxide Sr2CrOsO6. *Physical Review B*, **2020**, 102,	3.3	5
227	Single-phase perovskite oxide with super-exchange induced atomic-scale synergistic active centers enables ultrafast hydrogen evolution. *Nature Communications*, **2020**, 11, 5657	17.4	49
226	High-Index Faceted RuCo Nanoscrews for Water Electrosplitting. *Advanced Energy Materials*, **2020**, 10, 2002860	21.8	27
225	Monoclinic SrIrO3: An Easily Synthesized Conductive Perovskite Oxide with Outstanding Performance for Overall Water Splitting in Alkaline Solution. *Chemistry of Materials*, **2020**, 32, 4509-4517	9.6	38
224	High-performance metal-organic framework-perovskite hybrid as an important component of the air-electrode for rechargeable Zn-Air battery. *Journal of Power Sources*, **2020**, 468, 228377	8.9	32
223	Spin-Induced Multiferroic Behavior in Centrosymmetric Mn3WO6. *Chemistry of Materials*, **2020**, 32, 5664-5669	9.6	2
222	High-pressure synthesis and spin glass behavior of a Mn/Ir disordered quadruple perovskite CaCuMnIrO. *Journal of Physics Condensed Matter*, **2020**, 32, 075701	1.8	8
221	The Synthesis of a Quasi-One-Dimensional Iron-Based Telluride with Antiferromagnetic Chains and a Spin Glass State. *Inorganic Chemistry*, **2020**, 59, 5377-5385	5.1	7
220	Boosting oxygen evolution reaction by activation of lattice-oxygen sites in layered Ruddlesden-Popper oxide. *EcoMat*, **2020**, 2, e12021	9.4	24
219	Easy-cone magnetic structure in (Cr0.9B0.1)Te. *Applied Physics Letters*, **2020**, 116, 102404	3.4	3
218	High-Pressure Synthesis of Two Polymorphic HgMnO Phases and Distinct Magnetism from 2D to 3D. *Inorganic Chemistry*, **2020**, 59, 3887-3893	5.1	4
217	High-pressure synthesis, crystal structure and physical properties of a new Cr-based arsenide La3CrAs5. *Science China Materials*, **2020**, 63, 1750-1758	7.1	2
216	Utilizing ion leaching effects for achieving high oxygen-evolving performance on hybrid nanocomposite with self-optimized behaviors. *Nature Communications*, **2020**, 11, 3376	17.4	50

215	Boosting the oxygen evolution catalytic performance of perovskites via optimizing calcination temperature. *Journal of Materials Chemistry A*, **2020**, 8, 6480-6486	13	19
214	Surface-Regulated Rhodium-Antimony Nanorods for Nitrogen Fixation. *Angewandte Chemie - International Edition*, **2020**, 59, 8066-8071	16.4	32
213	Surface-Regulated Rhodium□Antimony Nanorods for Nitrogen Fixation. *Angewandte Chemie*, **2020**, 132, 8143-8148	3.6	7
212	Sequential Spin State Transition and Intermetallic Charge Transfer in PbCoO. *Journal of the American Chemical Society*, **2020**, 142, 5731-5741	16.4	20
211	Eliminating Transition Metal Migration and Anionic Redox to Understand Voltage Hysteresis of Lithium-Rich Layered Oxides. *Advanced Energy Materials*, **2020**, 10, 1903634	21.8	22
210	Bulk and Surface Properties Regulation of Single/Double Perovskites to Realize Enhanced Oxygen Evolution Reactivity. *ChemSusChem*, **2020**, 13, 3045-3052	8.3	19
209	Fast cation exchange of layered sodium transition metal oxides for boosting oxygen evolution activity and enhancing durability. *Journal of Materials Chemistry A*, **2020**, 8, 8075-8083	13	5
208	Voltage- and time-dependent valence state transition in cobalt oxide catalysts during the oxygen evolution reaction. *Nature Communications*, **2020**, 11, 1984	17.4	60
207	Vitalization of P2□Na2/3Ni1/3Mn2/3O2 at high-voltage cyclability via combined structural modulation for sodium-ion batteries. *Energy Storage Materials*, **2020**, 29, 182-189	19.4	28
206	Possible multiorbital ground state in CeCu2Si2. *Physical Review B*, **2020**, 102,	3.3	5
205	Understanding the origin of high oxygen evolution reaction activity in the high Sr-doped perovskite. *Chinese Journal of Catalysis*, **2020**, 41, 592-597	11.3	13
204	Boosting Oxygen Evolution Reaction by Creating Both Metal Ion and Lattice-Oxygen Active Sites in a Complex Oxide. *Advanced Materials*, **2020**, 32, e1905025	24	122
203	A New Highly Anisotropic Rh-Based Heusler Compound for Magnetic Recording. *Advanced Materials* , **2020**, 32, e2004331	24	1
202	Quadruple perovskite oxide LaCu3Co2Re2O12: A ferrimagnetic half metal with nearly 100% B-site degree of order. *Applied Physics Letters*, **2020**, 117, 152402	3.4	5
201	Molten Salt Treated Cu Foam Catalyst for Selective Electrochemical CO2 Reduction Reaction. *ChemistrySelect*, **2020**, 5, 11927-11933	1.8	1
200	In-situ visualization of the space-charge-layer effect on interfacial lithium-ion transport in all-solid-state batteries. *Nature Communications*, **2020**, 11, 5889	17.4	41
199	Stacking Faults Hinder Lithium Insertion in Li2RuO3. *Advanced Energy Materials*, **2020**, 10, 2002631	21.8	8
198	Superiority of native vacancies in activating anionic redox in P2-type Na2/3[Mn7/9Mg1/9?1/9]O2. *Nano Energy*, **2020**, 78, 105172	17.1	22

197	High-Pressure Synthesis of a B-site Co/Mn Disordered Quadruple Perovskite LaMnCoMnO. *Inorganic Chemistry*, **2020**, 59, 12445-12452	5.1	3
196	High-temperature ferromagnetic semiconductor with a field-tunable green fluorescent effect. *NPG Asia Materials*, **2020**, 12,	10.3	2
195	Uncovering the role of Ag in layer-alternating Ni3S2/Ag/Ni3S2 as an electrocatalyst with enhanced OER performance. *Inorganic Chemistry Frontiers*, **2020**, 7, 3627-3635	6.8	15
194	Selective Surface Reconstruction of a Defective Iridium-Based Catalyst for High-Efficiency Water Splitting. *Advanced Functional Materials*, **2020**, 30, 2004375	15.6	49
193	Single-Atom In-Doped Subnanometer Pt Nanowires for Simultaneous Hydrogen Generation and Biomass Upgrading. *Advanced Functional Materials*, **2020**, 30, 2004310	15.6	26
192	Self-Assembled Ruddlesden-Popper/Perovskite Hybrid with Lattice-Oxygen Activation as a Superior Oxygen Evolution Electrocatalyst. *Small*, **2020**, 16, e2001204	11	34
191	Multiple magnetic transitions and electrical transport transformation of a BaFeO3 cubic perovskite single crystal. *Physical Review B*, **2020**, 101,	3.3	4
190	Unusual synergistic effect in layered Ruddlesden-Popper oxide enables ultrafast hydrogen evolution. *Nature Communications*, **2019**, 10, 149	17.4	116
189	An Amorphous Nickel-Iron-Based Electrocatalyst with Unusual Local Structures for Ultrafast Oxygen Evolution Reaction. *Advanced Materials*, **2019**, 31, e1900883	24	161
188	Solidification performance of a latent heat storage unit with innovative longitudinal triangular fins. *International Journal of Heat and Mass Transfer*, **2019**, 138, 667-676	4.9	38
187	Searching General Sufficient-and-Necessary Conditions for Ultrafast Hydrogen-Evolving Electrocatalysis. *Advanced Functional Materials*, **2019**, 29, 1900704	15.6	65
186	Boosting the oxygen evolution reaction activity of a perovskite through introducing multi-element synergy and building an ordered structure. *Journal of Materials Chemistry A*, **2019**, 7, 9924-9932	13	39
185	Li□i Cation Mixing Enhanced Structural and Performance Stability of Li-Rich Layered Oxide. *Advanced Energy Materials*, **2019**, 9, 1901530	21.8	41
184	Ternary Phase Diagram-Facilitated Rapid Screening of Double Perovskites As Electrocatalysts for the Oxygen Evolution Reaction. *Chemistry of Materials*, **2019**, 31, 5919-5926	9.6	17
183	Orbital selection of the double [CuO2] layer compound Ca3Cu2O4Cl2. *Science China: Physics, Mechanics and Astronomy*, **2019**, 62, 1	3.6	1
182	Deciphering the Interface of a High-Voltage (5 V-Class) Li-Ion Battery Containing Additive-Assisted Sulfolane-Based Electrolyte. *Small Methods*, **2019**, 3, 1900546	12.8	18
181	Near-Room-Temperature Ferrimagnetic Ordering in a B-Site-Disordered 3d-5d-Hybridized Quadruple Perovskite Oxide, CaCuMnOsO. *Inorganic Chemistry*, **2019**, 58, 15529-15535	5.1	7
180	Room-temperature ferrimagnetism of anti-site-disordered Ca2MnOsO6. *Physical Review Materials*, **2019**, 3,	3.2	10

179	Direct observation of the partial valence transition of Cu in the A-site ordered LaCu3Fe4O12-δ by soft X-ray absorption spectroscopy. *Physica B: Condensed Matter*, **2019**, 568, 92-95	2.8	2
178	High-pressure synthesis of A-site ordered perovskite CaMn3(Fe3Mn)O12 and sequential long-range antiferromagnetic ordering and spin glass transition. *Journal of Solid State Chemistry*, **2019**, 278, 120921	3.3	4
177	Crystal Growth and Physical Properties of Sr4Co3O7.5+xCl2 Single Crystals (x ~ 0.14). *Crystals*, **2019**, 9, 623	2.3	1
176	Single antiferromagnetic axis of Fe in orthorhombic YMn0.5Fe0.5O3 films observed by x-ray magnetic linear dichroism. *Journal of Alloys and Compounds*, **2019**, 780, 79-84	5.7	1
175	Multi-active sites derived from a single/double perovskite hybrid for highly efficient water oxidation. *Electrochimica Acta*, **2019**, 299, 926-932	6.7	29
174	Single Crystal Growth and Magnetic Properties of High Oxidation State Material Ba2CoO4. *Physica Status Solidi - Rapid Research Letters*, **2019**, 13, 1800537	2.5	2
173	High-Temperature Ferrimagnetic Half Metallicity with Wide Spin-up Energy Gap in NaCuFeOsO. *Inorganic Chemistry*, **2019**, 58, 320-326	5.1	24
172	Molten-salt synthesis of porous La0.6Sr0.4Co0.2Fe0.8O2.9 perovskite as an efficient electrocatalyst for oxygen evolution. *Nano Research*, **2018**, 11, 4796-4805	10	24
171	Synthesis, Structure, and Properties of the Layered Oxyselenide BaCuOCuSe. *Inorganic Chemistry*, **2018**, 57, 5108-5113	5.1	3
170	Valence State of Pb in Transition Metal Perovskites PbTMO3 (TM = Ti, Ni) Determined From X-Ray Absorption Near-Edge Spectroscopy. *Physica Status Solidi (B): Basic Research*, **2018**, 255, 1800014	1.3	5
169	Pentavalent iridium pyrochlore Cd2Ir2O7: A prototype material system for competing crystalline field and spin-orbit coupling. *Physical Review B*, **2018**, 97,	3.3	6
168	Synthesis and Characterization of BaLiRu5O11, BaCu1+xRu5−xO11, and BaLi1−xCux+Ru5O11: Crystal Structures and Valence States. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2018**, 644, 1691-1696	1.3	1
167	Ultrahigh-performance tungsten-doped perovskites for the oxygen evolution reaction. *Journal of Materials Chemistry A*, **2018**, 6, 9854-9859	13	60
166	Canted ferrimagnetism and giant coercivity in the nonstoichiometric double perovskite La2Ni1.19Os0.81O6. *Physical Review B*, **2018**, 97,	3.3	10
165	Dynamic Ferrimagnetic Order in a Highly Distorted Double Perovskite Y2CoRuO6. *Chemistry of Materials*, **2018**, 30, 7047-7054	9.6	10
164	Operando Studies of Antiperovskite Lithium Battery Cathode Material (Li2Fe)SO. *ACS Applied Energy Materials*, **2018**, 1, 6593-6599	6.1	9
163	A Universal Strategy to Design Superior Water-Splitting Electrocatalysts Based on Fast In Situ Reconstruction of Amorphous Nanofilm Precursors. *Advanced Materials*, **2018**, 30, e1804333	24	86
162	Experimental and Theoretical Soft X-Ray Absorption Study on Co3+ Ion Spin States in Sr2−xCaxCoO3F. *Physica Status Solidi - Rapid Research Letters*, **2018**, 12, 1800147	2.5	5

161	A-Site and B-Site Charge Orderings in an s-d Level Controlled Perovskite Oxide PbCoO. *Journal of the American Chemical Society*, **2017**, 139, 4574-4581	16.4	38
160	Canted Antiferromagnetism on Rectangular Layers of Fe in Polymorphic CaFeSeO. *Inorganic Chemistry*, **2017**, 56, 4271-4279	5.1	6
159	Three Oxidation States of Manganese in the Barium Hexaferrite BaFeMnO. *Inorganic Chemistry*, **2017**, 56, 3861-3866	5.1	36
158	Successive Phase Transitions in Fe Ladder Compounds SrFeChO (Ch = S, Se). *Inorganic Chemistry*, **2017**, 56, 12606-12614	5.1	9
157	Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn Cr O. *Advanced Materials*, **2017**, 29, 1703435	24	32
156	High-Pressure Synthesis of the Cobalt Pyrochlore Oxide PbCoO with Large Cation Mixed Occupancy. *Inorganic Chemistry*, **2017**, 56, 11676-11680	5.1	3
155	Insight into the Role of Metal□Oxygen Bond and O 2p Hole in High-Voltage Cathode LiNixMn2⊠O4. *Journal of Physical Chemistry C*, **2017**, 121, 16079-16087	3.8	37
154	Multiferroics: Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn3Cr4O12 (Adv. Mater. 44/2017). *Advanced Materials*, **2017**, 29,	24	4
153	Relation between the Co-O bond lengths and the spin state of Co in layered Cobaltates: a high-pressure study. *Scientific Reports*, **2017**, 7, 3656	4.9	18
152	Charge Transfer and Structural Anomaly in Stoichiometric Layered Perovskite Sr2Co0.5Ir0.5O4. *European Journal of Inorganic Chemistry*, **2017**, 2017, 587-595	2.3	13
151	Strong enhancement of spin ordering by A-site magnetic ions in the ferrimagnet CaCu3Fe2Os2O12. *Physical Review B*, **2016**, 94,	3.3	33
150	LaMn3Ni2Mn2O12: An A- and B-Site Ordered Quadruple Perovskite with A-Site Tuning Orthogonal Spin Ordering. *Chemistry of Materials*, **2016**, 28, 8988-8996	9.6	18
149	High-Pressure Synthesis and Ferrimagnetic Ordering of the B-Site-Ordered Cubic Perovskite PbFeOsO. *Inorganic Chemistry*, **2016**, 55, 9816-9821	5.1	12
148	Influence of Fe substitution on the Jahn-Teller distortion and orbital anisotropy in orthorhombic Y(Mn1-xFex)O3 epitaxial films. *Dalton Transactions*, **2016**, 45, 12393-9	4.3	5
147	Anionic Ordering in Ba15V12S34O3, Affording Three Oxidation States of Vanadium and a Quasi-One-Dimensional Magnetic Lattice. *Chemistry of Materials*, **2016**, 28, 1621-1624	9.6	7
146	Single Crystal Growth of Pure Co3+ Oxidation State Material LaSrCoO4. *Crystals*, **2016**, 6, 98	2.3	11
145	[Cs6 Cl][Fe24 Se26]: A Host-Guest Compound with Unique Fe-Se Topology. *Chemistry - A European Journal*, **2016**, 22, 4626-31	4.8	5
144	The significant role of covalency in determining the ground state of cobalt phthalocyanines molecule. *AIP Advances*, **2016**, 6, 035306	1.5	5

143	A -site ordered perovskite CaCu 3 Cu 2 Ir 2 O 12 with square-planar and octahedral coordinated Cu ions. *Chinese Physics B*, **2016**, 25, 020701	1.2	4
142	Ba2NiOsO6: A Dirac-Mott insulator with ferromagnetism near 100 K. *Physical Review B*, **2016**, 94,	3.3	36
141	Correlation between ground state and orbital anisotropy in heavy fermion materials. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2384-8	11.5	43
140	High coercivity in large exchange-bias Co/CoO-MgO nano-granular films. *Chinese Physics B*, **2015**, 24, 034501	1.2	3
139	Charge Transfer Induced Multifunctional Transitions with Sensitive Pressure Manipulation in a Metal-Organic Framework. *Inorganic Chemistry*, **2015**, 54, 6433-8	5.1	39
138	Electronic and spin states of SrRuO3 thin films: An x-ray magnetic circular dichroism study. *Physical Review B*, **2015**, 91,	3.3	21
137	Ba3 v2 s4 o3 : a mott insulating frustrated quasi-one-dimensional s=1 magnet. *Chemistry - A European Journal*, **2015**, 21, 7938-43	4.8	16
136	Mn3TeO6 a new multiferroic material with two magnetic substructures. *Physica Status Solidi - Rapid Research Letters*, **2015**, 9, 730-734	2.5	19
135	Synthesis and Characterization of Ba[CoSO]: Magnetic Complexity in the Presence of Chalcogen Ordering. *Chemistry - A European Journal*, **2015**, 21, 10821-8	4.8	13
134	Magnetically Frustrated Double Perovskites: Synthesis, Structural Properties, and Magnetic Order of Sr2BOsO6 (B = Y, In, Sc). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 197-205	1.3	40
133	A complete high-to-low spin state transition of trivalent cobalt ion in octahedral symmetry in SrCo0.5Ru0.5O(3- *Journal of the American Chemical Society*, **2014**, 136, 1514-9	16.4	95
132	Anisotropic orbital occupation and Jahn-Teller distortion of orthorhombic YMnO3 epitaxial films: A combined experimental and theoretical study on polarization-dependent x-ray absorption spectroscopy. *Journal of Chemical Physics*, **2014**, 140, 154503	3.9	2
131	k=0 magnetic structure and absence of ferroelectricity in SmFeO3. *Physical Review Letters*, **2014**, 113, 217203	7.4	86
130	Oxygen-driven competition between low-dimensional structures of Sr3CoMO6 and Sr3CoMO7- with M = Ru, Ir. *Dalton Transactions*, **2014**, 43, 13883-91	4.3	10
129	Evolution of spin and valence states of (Pr0.7Sm0.3)0.7Ca0.3CoO3 at high temperature and high pressure. *Physical Review B*, **2014**, 90,	3.3	9
128	Structure, Magnetism, and Valence States of Cobalt and Platinum in Quasi-One-Dimensional Oxides A3CoPtO6 with A = Ca, Sr. *Journal of Physical Chemistry C*, **2014**, 118, 5463-5469	3.8	9
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