

Peili Zhang

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.

333
papers

28,031
citations

74
h-index

161
g-index

359
ext. papers

31,816
ext. citations

11.2
avg, IF

7.63
L-index

#	Paper	IF	Citations
333	Effect of the Ancillary Ligand on the Performance of Heteroleptic Cu(I) Diimine Complexes as Dyes in Dye-Sensitized Solar Cells.. <i>ACS Applied Energy Materials</i> , 2022 , 5, 1460-1470	6.1	0
332	WO ₃ Nanosheet-Supported IrW Alloy for High-Performance Acidic Overall Water Splitting with Low Ir Loading. <i>ACS Applied Energy Materials</i> , 2022 , 5, 970-980	6.1	3
331	Sacrificial W Facilitates Self-Reconstruction with Abundant Active Sites for Water Oxidation.. <i>Small</i> , 2022 , e2107249	11	1
330	Promotion of the oxygen evolution performance of Ni-Fe layered hydroxides via the introduction of a proton-transfer mediator anion. <i>Science China Chemistry</i> , 2022 , 65, 382-390	7.9	3
329	NiCoO thin film prepared by electrochemical deposition as a hole-transport layer for efficient inverted perovskite solar cells.. <i>RSC Advances</i> , 2022 , 12, 12544-12551	3.7	0
328	Immobilization of Iron Phthalocyanine on Pyridine-Functionalized Carbon Nanotubes for Efficient Nitrogen Reduction Reaction. <i>ACS Catalysis</i> , 2022 , 12, 5502-5509	13.1	4
327	Intramolecular hydroxyl nucleophilic attack pathway by a polymeric water oxidation catalyst with single cobalt sites. <i>Nature Catalysis</i> , 2022 , 5, 414-429	36.5	6
326	Engineering Lattice Oxygen Activation of Iridium Clusters Stabilized on Amorphous Bimetal Borides Array for Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	18
325	Electronic Influence of the 2,2'-Bipyridine-6,6'-dicarboxylate Ligand in Ru-Based Molecular Water Oxidation Catalysts. <i>Inorganic Chemistry</i> , 2021 , 60, 1202-1207	5.1	3
324	Switching the O-O Bond Formation Pathways of Ru-pda Water Oxidation Catalyst by Third Coordination Sphere Engineering. <i>Research</i> , 2021 , 2021, 9851231	7.8	2
323	Off-Set Interactions of Ruthenium-bda Type Catalysts for Promoting Water-Splitting Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14504-14511	16.4	6
322	Ni-rich NiFeBa as an Efficient Catalyst for Water Oxidation. <i>ChemSusChem</i> , 2021 , 14, 2516-2520	8.3	0
321	Metalloid Te-Doped Fe-Based Catalysts Applied for Electrochemical Water Oxidation. <i>ChemistrySelect</i> , 2021 , 6, 6154-6158	1.8	2
320	Stable Dye-Sensitized Solar Cells Based on Copper(II/I) Redox Mediators Bearing a Pentadentate Ligand. <i>Angewandte Chemie</i> , 2021 , 133, 16292-16299	3.6	2
319	Stable Dye-Sensitized Solar Cells Based on Copper(II/I) Redox Mediators Bearing a Pentadentate Ligand. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16156-16163	16.4	8
318	Engineering single-atomic ruthenium catalytic sites on defective nickel-iron layered double hydroxide for overall water splitting. <i>Nature Communications</i> , 2021 , 12, 4587	17.4	98
317	A crosslinked polymer as dopant-free hole-transport material for efficient n-i-p type perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2021 , 55, 211-218	12	12

316	A Cobalt@Cucurbit[5]uril Complex as a Highly Efficient Supramolecular Catalyst for Electrochemical and Photoelectrochemical Water Splitting. <i>Angewandte Chemie</i> , 2021 , 133, 2004-2013	3.6	8
315	A Cobalt@Cucurbit[5]uril Complex as a Highly Efficient Supramolecular Catalyst for Electrochemical and Photoelectrochemical Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1976-1985	16.4	20
314	Interface-engineered silicon photocathodes with a NiCoP catalyst-modified TiO ₂ nanorod array outlayer for photoelectrochemical hydrogen production in alkaline solution. <i>Journal of Power Sources</i> , 2021 , 484, 229272	8.9	4
313	Necessity of structural rearrangements for O-O bond formation between O ₅ and W ₂ in photosystem II. <i>Journal of Energy Chemistry</i> , 2021 , 57, 436-442	12	3
312	A silicon-based hybrid photocathode modified with an N ₅ -chelated nickel catalyst in a noble-metal-free biomimetic photoelectrochemical cell for solar-driven unbiased overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 12140-12151	13	3
311	N-Bromosuccinimide as a p-type dopant for a Spiro-OMeTAD hole transport material to enhance the performance of perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 2294-2300	5.8	1
310	From Ru-bda to Ru-bds: a step forward to highly efficient molecular water oxidation electrocatalysts under acidic and neutral conditions. <i>Nature Communications</i> , 2021 , 12, 373	17.4	13
309	Metal-organic frameworks and their derivatives as electrocatalysts for the oxygen evolution reaction. <i>Chemical Society Reviews</i> , 2021 , 50, 2663-2695	58.5	107
308	In Situ Induced Crystalline-Amorphous Heterophase Junction by K to Improve Photoelectrochemical Water Oxidation of BiVO ₄ . <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2723-2733	9.5	5
307	Selective Electrochemical Alkaline Seawater Oxidation Catalyzed by Cobalt Carbonate Hydroxide Nanorod Arrays with Sequential Proton-Electron Transfer Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 905-913	8.3	7
306	Surface and bulk reconstruction of CoW sulfides during pH-universal electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11359-11369	13	8
305	Metal-Organic-Framework-Derived Bismuth Nanosheets for Electrochemical and Solar-Driven Electrochemical CO ₂ Reduction to Formate. <i>ChemElectroChem</i> , 2021 , 8, 880-886	4.3	5
304	Identification of M-NH ₂ -NH ₂ Intermediate and Rate Determining Step for Nitrogen Reduction with Bioinspired Sulfur-Bonded FeW Catalyst. <i>Angewandte Chemie</i> , 2021 , 133, 20494-20504	3.6	5
303	Molecular Engineering of Photocathodes based on Polythiophene Organic Semiconductors for Photoelectrochemical Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 40602-40611	8.1	1
302	Selective Electro-oxidation of Alcohols to the Corresponding Aldehydes in Aqueous Solution via Cu(III) Intermediates from CuO Nanorods. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 11855-11861	8.3	5
301	Singlet Fission, Polaron Formation, and Energy Transfer in Indolo[3,2-b]carbazole Thin Films and Single Crystals. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18827-18833	3.8	0
300	Identification of M-NH-NH Intermediate and Rate Determining Step for Nitrogen Reduction with Bioinspired Sulfur-Bonded FeW Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20331-20341	16.4	18
299	Supramolecular Co-adsorption on TiO ₂ to enhance the efficiency of dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13697-13703	13	0

298	Remarkable synergy of borate and interfacial hole transporter on BiVO ₄ photoanodes for photoelectrochemical water oxidation. <i>Materials Advances</i> , 2021 , 2, 4323-4332	3.3	5
297	Bio-Inspired Water Oxidation Catalysts 2021 , 589-610		
296	Magnetizing lead-free halide double perovskites. <i>Science Advances</i> , 2020 , 6,	14.3	25
295	Ionic liquid doped organic hole transporting material for efficient and stable perovskite solar cells. <i>Physica B: Condensed Matter</i> , 2020 , 586, 412124	2.8	8
294	Side-chain engineering of PEDOT derivatives as dopant-free hole-transporting materials for efficient and stable n-i-p structured perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9236-9242	7.1	9
293	Urchin-Like Cobalt-Copper (Hydr)oxides as an Efficient Water Oxidation Electrocatalyst. <i>ChemPlusChem</i> , 2020 , 85, 1339-1346	2.8	3
292	Lead-Free Halide Double Perovskite Cs AgBiBr with Decreased Band Gap. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15191-15194	16.4	44
291	Lead-Free Halide Double Perovskite Cs ₂ AgBiBr ₆ with Decreased Band Gap. <i>Angewandte Chemie</i> , 2020 , 132, 15303-15306	3.6	13
290	Top-Down Approach Making Anisotropic Cellulose Aerogels as Universal Substrates for Multifunctionalization. <i>ACS Nano</i> , 2020 , 14, 7111-7120	16.7	60
289	Copper Selenide-Derived Copper Oxide Nanoplates as a Durable and Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Energy Technology</i> , 2020 , 8, 2000142	3.5	4
288	Rational Design of Nanocatalysts with Nonmetal Species Modification for Electrochemical CO ₂ Reduction. <i>Advanced Energy Materials</i> , 2020 , 10, 2000588	21.8	23
287	Organic Salts as p-Type Dopants for Efficient LiTFSI-Free Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33751-33758	9.5	12
286	Promoting the Fe(VI) active species generation by structural and electronic modulation of efficient iron oxide based water oxidation catalyst without Ni or Co. <i>Nano Energy</i> , 2020 , 72, 104656	17.1	18
285	Electroless Plating of NiFeP Alloy on the Surface of Silicon Photoanode for Efficient Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11479-11488	9.5	20
284	Single crystal structure and opto-electronic properties of oxidized Spiro-OMeTAD. <i>Chemical Communications</i> , 2020 , 56, 1589-1592	5.8	8
283	Copper-based homogeneous and heterogeneous catalysts for electrochemical water oxidation. <i>Nanoscale</i> , 2020 , 12, 4187-4218	7.7	41
282	Defect Engineering of Photocatalysts for Solar Energy Conversion. <i>Solar Rrl</i> , 2020 , 4, 2070045	7.1	3
281	Homogeneous Electrochemical Water Oxidation at Neutral pH by Water-Soluble Ni Complexes Bearing Redox Non-innocent Tetraamido Macrocyclic Ligands. <i>ChemSusChem</i> , 2020 , 13, 3277-3282	8.3	19

280	Electrocatalytic Hydrogenation and Oxidation in Aqueous Conditions <i>Chinese Journal of Chemistry</i> , 2020 , 38, 996-1004	4.9	13
279	Hydrophobic/Hydrophilic Directionality Affects the Mechanism of Ru-Catalyzed Water Oxidation Reaction. <i>ACS Catalysis</i> , 2020 , 10, 13364-13370	13.1	9
278	Electrochemical and photoelectrochemical water splitting with a CoO catalyst prepared by flame assisted deposition. <i>Dalton Transactions</i> , 2020 , 49, 588-592	4.3	2
277	An organic polymer CuPPc-derived copper oxide as a highly efficient electrocatalyst for water oxidation. <i>Chemical Communications</i> , 2020 , 56, 3797-3800	5.8	3
276	Electron-Withdrawing Anchor Group of Sensitizer for Dye-Sensitized Solar Cells, Cyanoacrylic Acid, or Benzoic Acid?. <i>Solar Rrl</i> , 2020 , 4, 1900436	7.1	10
275	Defect Engineering of Photocatalysts for Solar Energy Conversion. <i>Solar Rrl</i> , 2020 , 4, 1900487	7.1	52
274	Amorphous WO ₃ induced lattice distortion for a low-cost and high-efficient electrocatalyst for overall water splitting in acid. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1712-1722	5.8	11
273	The application of transition metal complexes in hole-transporting layers for perovskite solar cells: Recent progress and future perspectives. <i>Coordination Chemistry Reviews</i> , 2020 , 406, 213143	23.2	30
272	Selectively Etching Vanadium Oxide to Modulate Surface Vacancies of Unary MetalBased Electrocatalysts for High-Performance Water Oxidation. <i>Advanced Energy Materials</i> , 2020 , 10, 1903571	21.8	43
271	3D Porous Pyramid Heterostructure Array Realizing Efficient Photo-Electrochemical Performance. <i>Advanced Energy Materials</i> , 2020 , 10, 1902935	21.8	26
270	Molecular Functionalization of NiO Nanocatalyst for Enhanced Water Oxidation by Electronic Structure Engineering. <i>ChemSusChem</i> , 2020 , 13, 5901-5909	8.3	3
269	Beyond d Orbits: Steering the Selectivity of Electrochemical CO ₂ Reduction via Hybridized sp Band of Sulfur-Incorporated Porous Cd Architectures with Dual Collaborative Sites. <i>Advanced Energy Materials</i> , 2020 , 10, 2002499	21.8	8
268	Fine-Tuning by Triple Bond of Carbazole Derivative Dyes to Obtain High Efficiency for Dye-Sensitized Solar Cells with Copper Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46397-46405	9.5	10
267	Boosting Electrocatalytic Water Oxidation by Creating Defects and Lattice-Oxygen Active Sites on Ni-Fe Nanosheets. <i>ChemSusChem</i> , 2020 , 13, 5067-5072	8.3	6
266	Cobalt doped BiVO with rich oxygen vacancies for efficient photoelectrochemical water oxidation.. <i>RSC Advances</i> , 2020 , 10, 28523-28526	3.7	12
265	Nickel-selenide templated binary metalorganic frameworks for efficient water oxidation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16908-16912	13	10
264	Enrichment of glycopeptides using environmentally friendly wood materials. <i>Green Chemistry</i> , 2020 , 22, 5666-5676	10	8
263	A dendritic Sb ₂ Se ₃ /In ₂ S ₃ heterojunction nanorod array photocathode decorated with a MoS _x catalyst for efficient solar hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 23385-23394	13	11

262	Engineering active sites on hierarchical transition bimetal oxides/sulfides heterostructure array enabling robust overall water splitting. <i>Nature Communications</i> , 2020 , 11, 5462	17.4	126
261	Metal-Molybdenum Sulfide Nanosheet Arrays Prepared by Anion Exchange as Catalysts for Hydrogen Evolution. <i>Energy Technology</i> , 2020 , 8, 2000595	3.5	1
260	Conformational and Compositional Tuning of Phenanthrocarbazole-Based Dopant-Free Hole-Transport Polymers Boosting the Performance of Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17681-17692	16.4	48
259	Selective CO Production by Photoelectrochemical CO Reduction in an Aqueous Solution with Cobalt-Based Molecular Redox Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41644-41648	9.5	6
258	The Central Role of Ligand Conjugation for Properties of Coordination Complexes as Hole-Transport Materials in Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6768-6779	6.1	3
257	Exploring the Optical and Electrochemical Properties of Homoleptic versus Heteroleptic Diimine Copper(I) Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 12167-12177	5.1	13
256	Hierarchical CoS/NiS/CoNiO nanorods with favorable stability at 1 A cm for electrocatalytic water oxidation. <i>Chemical Communications</i> , 2019 , 55, 1564-1567	5.8	12
255	Across the Board: Licheng Sun on the Mechanism of O-O Bond Formation in Photosystem II. <i>ChemSusChem</i> , 2019 , 12, 3401-3404	8.3	4
254	Energy-Loss Reduction as a Strategy to Improve the Efficiency of Dye-Sensitized Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900253	7.1	8
253	Boosting the power conversion efficiency of perovskite solar cells to 17.7% with an indolo[3,2-b]carbazole dopant-free hole transporting material by improving its spatial configuration. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14835-14841	13	29
252	Fine-tuning the coordination atoms of copper redox mediators: an effective strategy for boosting the photovoltage of dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12808-12814	13	6
251	Paired Electrocatalytic Oxygenation and Hydrogenation of Organic Substrates with Water as the Oxygen and Hydrogen Source. <i>Angewandte Chemie</i> , 2019 , 131, 9253-9257	3.6	24
250	Paired Electrocatalytic Oxygenation and Hydrogenation of Organic Substrates with Water as the Oxygen and Hydrogen Source. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9155-9159	16.4	101
249	Artificial photosynthesis: opportunities and challenges of molecular catalysts. <i>Chemical Society Reviews</i> , 2019 , 48, 2216-2264	58.5	363
248	Ru-bda: Unique Molecular Water-Oxidation Catalysts with Distortion Induced Open Site and Negatively Charged Ligands. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5565-5580	16.4	74
247	13.6% Efficient Organic Dye-Sensitized Solar Cells by Minimizing Energy Losses of the Excited State. <i>ACS Energy Letters</i> , 2019 , 4, 943-951	20.1	183
246	Rational Design of Nanoarray Architectures for Electrocatalytic Water Splitting. <i>Advanced Functional Materials</i> , 2019 , 29, 1808367	15.6	186
245	Tailoring Active Sites in Mesoporous Defect-Rich NC/Vo-WON Heterostructure Array for Superior Electrocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2019 , 9, 1803693	21.8	53

244	Enhanced performance of perovskite solar cells using p-type doped PFB:F4TCNQ composite as hole transport layer. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 25-32	5.7	15
243	Impact of Linking Topology on the Properties of Carbazole-Based Hole-Transport Materials and their Application in Solid-State Mesoscopic Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900196	7.1	8
242	Exploring Overall Photoelectric Applications by Organic Materials Containing Symmetric Donor Isomers. <i>Chemistry of Materials</i> , 2019 , 31, 8810-8819	9.6	8
241	Efficient BiVO Photoanodes by Postsynthetic Treatment: Remarkable Improvements in Photoelectrochemical Performance from Facile Borate Modification. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 19027-19033	16.4	51
240	A bio-inspired coordination polymer as outstanding water oxidation catalyst via second coordination sphere engineering. <i>Nature Communications</i> , 2019 , 10, 5074	17.4	88
239	Efficient BiVO ₄ Photoanodes by Postsynthetic Treatment: Remarkable Improvements in Photoelectrochemical Performance from Facile Borate Modification. <i>Angewandte Chemie</i> , 2019 , 131, 19203-19209	3.6	16
238	Optically Transparent Wood Substrate for Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6061-6067	8.3	40
237	Polymeric, Cost-Effective, Dopant-Free Hole Transport Materials for Efficient and Stable Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19700-19707	16.4	81
236	Dye-sensitized LaFeO photocathode for solar-driven H ₂ generation. <i>Chemical Communications</i> , 2019 , 55, 12940-12943	5.8	18
235	Iron carbonate hydroxide templated binary metal-organic frameworks for highly efficient electrochemical water oxidation. <i>Chemical Communications</i> , 2019 , 55, 14773-14776	5.8	22
234	Hollow Carbon@NiCo ₂ O ₄ Core-Shell Microspheres for Efficient Electrocatalytic Oxygen Evolution. <i>Energy Technology</i> , 2019 , 7, 1800919	3.5	3
233	Iron-Based Molecular Water Oxidation Catalysts: Abundant, Cheap, and Promising. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 31-43	4.5	38
232	Molecular Engineering of Copper Phthalocyanines: A Strategy in Developing Dopant-Free Hole-Transporting Materials for Efficient and Ambient-Stable Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1803287	21.8	105
231	Composite Hole-Transport Materials Based on a Metal-Organic Copper Complex and Spiro-OMeTAD for Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1700073	7.1	18
230	A CuSe-CuO film electrodeposited on titanium foil as a highly active and stable electrocatalyst for the oxygen evolution reaction. <i>Chemical Communications</i> , 2018 , 54, 4979-4982	5.8	28
229	Hierarchically Structured FeNiO H Electrocatalyst Formed by In Situ Transformation of Metal Phosphate for Efficient Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2018 , 11, 1761-1767	8.3	17
228	Vertically Aligned Oxygenated-CoS ₂ /MoS ₂ Heteronanoshet Architecture from Polyoxometalate for Efficient and Stable Overall Water Splitting. <i>ACS Catalysis</i> , 2018 , 8, 4612-4621	13.1	182
227	Facile Synthesis of a Ternary Metal Hydroxide with Acid Treatment as an Effective and Durable Electrocatalyst in Water Oxidation. <i>ChemPlusChem</i> , 2018 , 83, 577-581	2.8	2

226	Water Splitting: Atomically Thin Mesoporous In ₂ O ₃ /In ₂ S ₃ Lateral Heterostructures Enabling Robust Broadband-Light Photo-Electrochemical Water Splitting (Adv. Energy Mater. 9/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870040	21.8	3
225	Dendritic core-shell nickel-iron-copper metal/metal oxide electrode for efficient electrocatalytic water oxidation. <i>Nature Communications</i> , 2018 , 9, 381	17.4	241
224	Photon Up-Conversion via Epitaxial Surface-Supported Metal-Organic Framework Thin Films with Enhanced Photocurrent. <i>ACS Applied Energy Materials</i> , 2018 , 1, 249-253	6.1	29
223	Integration of FeOOH and Zeolitic Imidazolate Framework-Derived Nanoporous Carbon as an Efficient Electrocatalyst for Water Oxidation. <i>Advanced Energy Materials</i> , 2018 , 8, 1702598	21.8	59
222	Atomically Thin Mesoporous In ₂ O ₃ /In ₂ S ₃ Lateral Heterostructures Enabling Robust Broadband-Light Photo-Electrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2018 , 8, 1701114	21.8	75
221	Progress in hole-transporting materials for perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2018 , 27, 650-672	12	71
220	Cu ₃ P/CuO Core-Shell Nanorod Arrays as High-Performance Electrocatalysts for Water Oxidation. <i>ChemElectroChem</i> , 2018 , 5, 2064-2068	4.3	12
219	Electronic and Structural Effects of Inner Sphere Coordination of Chloride to a Homoleptic Copper(II) Diimine Complex. <i>Inorganic Chemistry</i> , 2018 , 57, 4556-4562	5.1	21
218	Water Oxidation Initiated by In Situ Dimerization of the Molecular Ru(pdc) Catalyst. <i>ACS Catalysis</i> , 2018 , 8, 4375-4382	13.1	20
217	Achieving High Open-Circuit Voltages up to 1.57 V in Hole-Transport-Material-Free MAPbBr ₃ Solar Cells with Carbon Electrodes. <i>Advanced Energy Materials</i> , 2018 , 8, 1701159	21.8	42
216	Enhancing the Energy-Conversion Efficiency of Solid-State Dye-Sensitized Solar Cells with a Charge-Transfer Complex based on 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone. <i>Energy Technology</i> , 2018 , 6, 752-758	3.5	5
215	Orienting Active Crystal Planes of New Class Lacunaris Fe ₂ PO ₅ Polyhedrons for Robust Water Oxidation in Alkaline and Neutral Media. <i>Advanced Functional Materials</i> , 2018 , 28, 1801397	15.6	25
214	Electrical Behavior and Electron Transfer Modulation of Nickel-Copper Nanoalloys Confined in Nickel-Copper Nitrides Nanowires Array Encapsulated in Nitrogen-Doped Carbon Framework as Robust Bifunctional Electrocatalyst for Overall Water Splitting. <i>Advanced Functional Materials</i> , 2018 , 28, 1803278	15.6	63
213	Design and synthesis of dopant-free organic hole-transport materials for perovskite solar cells. <i>Chemical Communications</i> , 2018 , 54, 9571-9574	5.8	36
212	Efficient and Stable Dye-Sensitized Solar Cells Based on a Tetradentate Copper(II/I) Redox Mediator. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30409-30416	9.5	21
211	Why nature chose the MnCaO cluster as water-splitting catalyst in photosystem II: a new hypothesis for the mechanism of O-O bond formation. <i>Dalton Transactions</i> , 2018 , 47, 14381-14387	4.3	51
210	Pushing the Envelope: Achieving an Open-Circuit Voltage of 1.18 V for Unalloyed MAPbI ₃ Perovskite Solar Cells of a Planar Architecture. <i>Advanced Functional Materials</i> , 2018 , 28, 1801237	15.6	22
209	Identifying Mn-oxo Species during Electrochemical Water Oxidation by Manganese Oxide. <i>Science</i> , 2018 , 4, 144-152	6.1	22

208	Promoting Active Sites in CoreShell Nanowire Array as MottSchottky Electrocatalysts for Efficient and Stable Overall Water Splitting. <i>Advanced Functional Materials</i> , 2018 , 28, 1704447	15.6	165
207	Ultrafast Relaxation Dynamics in Zinc Tetraphenylporphyrin Surface-Mounted Metal Organic Framework. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 50-61	3.8	38
206	Improved performance and air stability of perovskite solar cells based on low-cost organic hole-transporting material X60 by incorporating its dicationic salt. <i>Science China Chemistry</i> , 2018 , 61, 172-179	7.9	18
205	Inorganic Hole-Transporting Materials for Perovskite Solar Cells. <i>Small Methods</i> , 2018 , 2, 1700280	12.8	100
204	Device Fabrication for Water Oxidation, Hydrogen Generation, and CO2 Reduction via Molecular Engineering. <i>Joule</i> , 2018 , 2, 36-60	27.8	71
203	Perovskite Hydroxide CoSn(OH)6 Nanocubes for Efficient Photoreduction of CO2 to CO. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 781-786	8.3	25
202	One plus one greater than two: high-performance inverted planar perovskite solar cells based on a composite CuI/CuSCN hole-transporting layer. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21435-21444	13	46
201	Direct Observation of Structural Evolution of Metal Chalcogenide in Electrocatalytic Water Oxidation. <i>ACS Nano</i> , 2018 , 12, 12369-12379	16.7	220
200	Molecular Engineering of D-A Type of Blue-Colored Dyes for Highly Efficient Solid-State Dye-Sensitized Solar Cells through Co-Sensitization. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35946-35952	9.5	6
199	The Importance of Pendant Groups on Triphenylamine-Based Hole Transport Materials for Obtaining Perovskite Solar Cells with over 20% Efficiency. <i>Advanced Energy Materials</i> , 2018 , 8, 1701209	21.8	101
198	3D CoreShell NiFeCr Catalyst on a Cu Nanoarray for Water Oxidation: Synergy between Structural and Electronic Modulation. <i>ACS Energy Letters</i> , 2018 , 3, 2865-2874	20.1	58
197	Molecular Engineering of Triphenylamine-Based Non-Fullerene Electron-Transport Materials for Efficient Rigid and Flexible Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38970-38977	9.5	25
196	Enhanced S2 Fluorescence from a Free-Base Tetraphenylporphyrin Surface-Mounted Metal Organic Framework. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23321-23328	3.8	7
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