Zhi-Yong Tang

List of Publications by Year in Descending Order

402 papers	40,135 citations	105 h-index	190 g-index
440 ext. papers	45,878 ext. citations	12.2 avg, IF	7.84 L-index

#	Paper	IF	Citations
402	Self-assembled inorganic chiral superstructures. *Nature Reviews Chemistry*, **2022**, 6, 125-145	34.6	17
401	Ethanol-derived white emissive carbon dots: the formation process investigation and multi-color/white LEDs preparation. *Nano Research*, **2022**, 15, 942	10	13
400	Conjugated microporous polymer Janus membrane for dye rejection from water. *Journal of Membrane Science*, **2021**, 120096	9.6	3
399	Recent Progress on Two-Dimensional Materials. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2021**, 2108017-0	3.8	69
398	Cobalt Catalysts Enable Selective Hydrogenation of CO toward Diverse Products: Recent Progress and Perspective. *Journal of Physical Chemistry Letters*, **2021**, 12, 10486-10496	6.4	7
397	Recent advances in hollow metal-organic frameworks and their composites for heterogeneous thermal catalysis. *Science China Chemistry*, **2021**, 64, 1854	7.9	0
396	Engineering Nanoscale Metal-Organic Frameworks for Heterogeneous Catalysis. *Small Structures*, **2021**, 2, 2000141	8.7	15
395	Continuous Gas□liquid□Solid Slug Flow for Sustainable Heterogeneously Catalyzed PET-RAFT Polymerization. *Industrial & Engineering Chemistry Research*, **2021**, 60, 5451-5462	3.9	6
394	Zone-Folded Longitudinal Acoustic Phonons Driving Self-Trapped State Emission in Colloidal CdSe Nanoplatelet Superlattices. *Nano Letters*, **2021**, 21, 4137-4144	11.5	5
393	Metal-organic framework nanosheets and their composites for heterogeneous thermal catalysis: Recent progresses and challenges. *Chinese Chemical Letters*, **2021**, 32, 3307-3307	8.1	8
392	Rational Design of Multicolor-Emitting Chiral Carbonized Polymer Dots for Full-Color and White Circularly Polarized Luminescence. *Angewandte Chemie*, **2021**, 133, 14210-14218	3.6	9
391	Second Harmonic Generation Covering the Entire Visible Range from a 2D Material□Plasmon Hybrid Metasurface. *Advanced Optical Materials*, **2021**, 9, 2100625	8.1	9
390	Gas□liquid Taylor Flow Characteristics in a Fractal Microchannel Network during Numbering-up and Sizing-up. *Industrial & Engineering Chemistry Research*, **2021**, 60, 7935-7949	3.9	1
389	Rational Design of Multicolor-Emitting Chiral Carbonized Polymer Dots for Full-Color and White Circularly Polarized Luminescence. *Angewandte Chemie - International Edition*, **2021**, 60, 14091-14099	16.4	54
388	Enhancing Electrocatalytic Production of H2O2 by Modulating Coordination Environment of Cobalt Center. *Bulletin of the Korean Chemical Society*, **2021**, 42, 1155-1160	1.2	3
387	Red-emitting, self-oxidizing carbon dots for the preparation of white LEDs with super-high color rendering index. *Science China Chemistry*, **2021**, 64, 1547-1553	7.9	34
386	Facile Synthesis of Water-Stable Multicolor Carbonized Polymer Dots from a Single Unconjugated Glucose for Engineering White Light-Emitting Diodes with a High Color Rendering Index. *ACS Applied Materials & Interfaces*, **2021**, 13, 30098-30105	9.5	14

385	Fe-O Clusters Anchored on Nodes of Metal-Organic Frameworks for Direct Methane Oxidation. *Angewandte Chemie - International Edition*, **2021**, 60, 5811-5815	16.4	21
384	Applications of Nanomaterials in Asymmetric Photocatalysis: Recent Progress, Challenges, and Opportunities. *Advanced Materials*, **2021**, 33, e2001731	24	41
383	Fe-O Clusters Anchored on Nodes of Metal□Organic Frameworks for Direct Methane Oxidation. *Angewandte Chemie*, **2021**, 133, 5875-5879	3.6	0
382	Insights into photoluminescence mechanisms of carbon dots: advances and perspectives. *Science Bulletin*, **2021**, 66, 839-856	10.6	96
381	Optical Activity of Chiral Metal Nanoclusters. *Accounts of Materials Research*, **2021**, 2, 21-35	7.5	21
380	Recent advances in electrocatalytic chloride oxidation for chlorine gas production. *Journal of Materials Chemistry A*, **2021**, 9, 18974-18993	13	13
379	Recent progress in the design of analytical methods based on nanozymes. *Journal of Materials Chemistry B*, **2021**, 9, 8174-8184	7.3	4
378	Design of flexible inorganic thermoelectric devices for decrease of heat loss. *Nano Research*, **2021**, 14, 2090	10	4
377	The initial attempt to reveal the emission processes of both mechanoluminescence and room temperature phosphorescence with the aid of circular dichroism in solid state. *Science China Chemistry*, **2021**, 64, 445-451	7.9	22
376	Single Atom Ruthenium-Doped CoP/CDs Nanosheets via Splicing of Carbon-Dots for Robust Hydrogen Production. *Angewandte Chemie - International Edition*, **2021**, 60, 7234-7244	16.4	110
375	Selective photocatalytic oxidation of methane by quantum-sized bismuth vanadate. *Nature Sustainability*, **2021**, 4, 509-515	22.1	35
374	Single Atom Ruthenium-Doped CoP/CDs Nanosheets via Splicing of Carbon-Dots for Robust Hydrogen Production. *Angewandte Chemie*, **2021**, 133, 7310-7320	3.6	3
373	Theoretical Understanding of Structure-Property Relationships in Luminescence of Carbon Dots. *Journal of Physical Chemistry Letters*, **2021**, 12, 7671-7687	6.4	31
372	An efficient lithium extraction pathway in covalent organic framework membranes. *Matter*, **2021**, 4, 2666-2668	12.7	2
371	Operando toolbox for heterogeneous interface in electrocatalysis. *Chem Catalysis*, **2021**, 1, 509-522		2
370	Insight into Structural Evolution, Active Site and Stability of Heterogeneous Electrocatalysts. *Angewandte Chemie - International Edition*, **2021**,	16.4	19
369	Melamine-Doped Covalent Organic Framework Membranes for Enhanced Hydrogen Purification. *Chemistry - an Asian Journal*, **2021**, 16, 3624-3629	4.5	1
368	Advances and challenges in 2D MXenes: From structures to energy storage and conversions. *Nano Today*, **2021**, 40, 101273	17.9	19

367	A New Eye Re-looking at Single-Site Catalysts. *CheM*, **2021**, 7, 5-7	16.2	0
366	Metal-organic frameworks as catalytic selectivity regulators for organic transformations. *Chemical Society Reviews*, **2021**, 50, 5366-5396	58.5	32
365	Fabrication of Core□Shell Structured Metal Nanoparticles@Metal□Organic Frameworks for Heterogeneous Thermal Catalysis. *Nanostructure Science and Technology*, **2021**, 83-103	0.9	
364	Photocatalytic Carboxylation of Phenyl Halides with CO2 by Metal-Organic Frameworks Materials. *Chinese Journal of Chemistry*, **2021**, 39, 312-316	4.9	1
363	Metal□Organic Frameworks for Electrocatalysis: Beyond Their Derivatives. *Small Science*, **2021**, 1, 2170030		3
362	Frontispiece: Light-Driven Active Ion Transport. *Chemistry - A European Journal*, **2020**, 26,	4.8	1
361	Metalation of Catechol-Functionalized Defective Covalent Organic Frameworks for Lewis Acid Catalysis. *Small*, **2020**, 16, e2001998	11	19
360	A reconstructed porous copper surface promotes selectivity and efficiency toward C products by electrocatalytic CO reduction. *Chemical Science*, **2020**, 11, 10698-10704	9.4	24
359	Light-Driven Active Ion Transport. *Chemistry - A European Journal*, **2020**, 26, 13748-13753	4.8	3
358	Two-dimensional material membranes for critical separations. *Inorganic Chemistry Frontiers*, **2020**, 7, 2560-2581	6.8	22
357	Highly selective aerobic oxidation of methane to methanol over gold decorated zinc oxide via photocatalysis. *Journal of Materials Chemistry A*, **2020**, 8, 13277-13284	13	23
356	A high-performance and flexible thermoelectric generator based on the solution-processed composites of reduced graphene oxide nanosheets and bismuth telluride nanoplates. *Nanoscale Advances*, **2020**, 2, 3244-3251	5.1	11
355	Structure regulated catalytic performance of gold nanocluster-MOF nanocomposites. *Nano Research*, **2020**, 13, 1928-1932	10	20
354	Quasi-amorphous and Hierarchical FeO Supraparticles: Active -Weighted Magnetic Resonance Imaging and Renal Clearance. *ACS Nano*, **2020**, 14, 4036-4044	16.7	18
353	Endowing Zeolite LTA Superballs with the Ability to Manipulate Light in Multiple Ways. *Angewandte Chemie - International Edition*, **2020**, 59, 19684-19690	16.4	5
352	Insight into atomically dispersed porous M-N-C single-site catalysts for electrochemical CO reduction. *Nanoscale*, **2020**, 12, 16617-16626	7.7	26
351	Carbon Dots and RuP2 Nanohybrid as an Efficient Bifunctional Catalyst for Electrochemical Hydrogen Evolution Reaction and Hydrolysis of Ammonia Borane. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 3995-4002	8.3	42
350	Optimizing Energy Transfer in Nanostructures Enables In Vivo Cancer Lesion Tracking via Near-Infrared Excited Hypoxia Imaging. *Advanced Materials*, **2020**, 32, e1907718	24	21

349	Photocatalytic hot-carrier chemistry. *MRS Bulletin*, **2020**, 45, 20-25	3.2	9
348	Membrane-Free Zn/MnO2 Flow Battery for Large-Scale Energy Storage. *Advanced Energy Materials*, **2020**, 10, 1902085	21.8	53
347	Visible light catalyzed anti-markovnikov hydration of styrene to 2-phenylethanol: From batch to continuous. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 392, 112340	4.7	9
346	Regioselective magnetization in semiconducting nanorods. *Nature Nanotechnology*, **2020**, 15, 192-197	28.7	25
345	Photodriven Active Ion Transport Through a Janus Microporous Membrane. *Angewandte Chemie*, **2020**, 132, 6303-6307	3.6	3
344	Photodriven Active Ion Transport Through a Janus Microporous Membrane. *Angewandte Chemie - International Edition*, **2020**, 59, 6244-6248	16.4	19
343	Designed controllable nitrogen-doped carbon-dots-loaded MoP nanoparticles for boosting hydrogen evolution reaction in alkaline medium. *Nano Energy*, **2020**, 72, 104730	17.1	105
342	Delocalized electron effect on single metal sites in ultrathin conjugated microporous polymer nanosheets for boosting CO cycloaddition. *Science Advances*, **2020**, 6, eaaz4824	14.3	38
341	Synthesis of Two-dimensional Hydrophobic Copper-based Nanosheets and Their Application in Catalytic Oxidation of Sulfides. *Acta Chimica Sinica*, **2020**, 78, 980	3.3	2
340	Carbon quantum dots enhanced the activity for the hydrogen evolution reaction in ruthenium-based electrocatalysts. *Materials Chemistry Frontiers*, **2020**, 4, 277-284	7.8	58
339	Remarkably Enhanced Hydrogen Oxidation Reaction Activity of Carbon-supported Pt by Facile Nickel Modification. *Chemical Research in Chinese Universities*, **2020**, 36, 105-109	2.2	4
338	Molecular Nitrogen as an Extraordinary Accelerator for Hydrodeoxygenation. *CheM*, **2020**, 6, 16-18	16.2	1
337	Covalently anchoring cobalt phthalocyanine on zeolitic imidazolate frameworks for efficient carbon dioxide electroreduction. *CrystEngComm*, **2020**, 22, 1619-1624	3.3	34
336	Sub-10 nm Polyamide Nanofiltration Membrane for Molecular Separation. *Chemistry - an Asian Journal*, **2020**, 15, 2341-2345	4.5	9
335	Fast and Selective Semihydrogenation of Alkynes by Palladium Nanoparticles Sandwiched in Metal-Organic Frameworks. *Angewandte Chemie - International Edition*, **2020**, 59, 3650-3657	16.4	51
334	Fast and Selective Semihydrogenation of Alkynes by Palladium Nanoparticles Sandwiched in Metal□Organic Frameworks. *Angewandte Chemie*, **2020**, 132, 3679-3686	3.6	6
333	A General Route to Prepare Low-Ruthenium-Content Bimetallic Electrocatalysts for pH-Universal Hydrogen Evolution Reaction by Using Carbon Quantum Dots. *Angewandte Chemie*, **2020**, 132, 1735-1743	3.6	26
332	Formation of Supraparticles and Their Application in Catalysis **2020**, 2, 95-106		27

331	Cerium-Based Metal–Organic Frameworks with UiO Architecture for Visible Light-Induced Aerobic Oxidation of Benzyl Alcohol. *Solar Rrl*, **2020**, 4, 1900449	7.1	26
330	A General Route to Prepare Low-Ruthenium-Content Bimetallic Electrocatalysts for pH-Universal Hydrogen Evolution Reaction by Using Carbon Quantum Dots. *Angewandte Chemie - International Edition*, **2020**, 59, 1718-1726	16.4	250
329	Nanoporous materials for chiral resolution. *Coordination Chemistry Reviews*, **2020**, 425, 213481	23.2	16
328	Recent advances in chiral carbonized polymer dots: From synthesis and properties to applications. *Nano Today*, **2020**, 34, 100953	17.9	41
327	Advanced photocatalysts based on metal nanoparticle/metal-organic framework composites. *Nano Research*, **2020**, 14, 2037	10	35
326	Boosting CO2 Conversion with Terminal Alkynes by Molecular Architecture of Graphene Oxide-Supported Ag Nanoparticles. *Matter*, **2020**, 3, 558-570	12.7	25
325	Defects Enhance the Electrocatalytic Hydrogen Evolution Properties of MoS -based Materials. *Chemistry - an Asian Journal*, **2020**, 15, 3123-3134	4.5	18
324	Covalent organic framework membrane for size selective release of small molecules and peptide in vitro. *Journal of Materials Chemistry B*, **2020**, 8, 7899-7903	7.3	3
323	All-Solution-Processed Ultrahigh Broadband and Wide-Angle Perfect Absorber Based on Mxene–Gold Nanoparticles. *Advanced Optical Materials*, **2020**, 8, 2000447	8.1	11
322	Structural transformation of highly active metal–organic framework electrocatalysts during the oxygen evolution reaction. *Nature Energy*, **2020**, 5, 881-890	62.3	280
321	Integration and Synergy of Organic Single Crystals and Metal–Organic Frameworks in Core–Shell Heterostructures Enables Outstanding Gas Selectivity for Detection. *Advanced Functional Materials*, **2020**, 30, 2005727	15.6	8
320	Chiral gold nanoparticles enantioselectively rescue memory deficits in a mouse model of Alzheimer's disease. *Nature Communications*, **2020**, 11, 4790	17.4	63
319	Endowing Zeolite LTA Superballs with the Ability to Manipulate Light in Multiple Ways. *Angewandte Chemie*, **2020**, 132, 19852-19858	3.6	
318	Magnetic Circular Dichroism in Nanomaterials: New Opportunity in Understanding and Modulation of Excitonic and Plasmonic Resonances. *Advanced Materials*, **2020**, 32, e1801491	24	41
317	Conductive 2D MOF Coupled with Superprotonic Conduction and Interfacial Pseudo-capacitance. *Matter*, **2020**, 2, 798-800	12.7	10
316	Helical Magnetic Field-Induced Real-Time Plasmonic Chirality Modulation. *ACS Nano*, **2020**, 14, 7152-7160	16.7	12
315	Photoluminescence enhancement of MoS/CdSe quantum rod heterostructures induced by energy transfer and exciton-exciton annihilation suppression. *Nanoscale Horizons*, **2020**, 5, 971-977	10.8	4
314	Rational Design of Multi-Color-Emissive Carbon Dots in a Single Reaction System by Hydrothermal. *Advanced Science*, **2020**, 8, 2001453	13.6	82

313	Tuning the electronic structure of PtRu bimetallic nanoparticles for promoting the hydrogen oxidation reaction in alkaline media. *Inorganic Chemistry Frontiers*, **2019**, 6, 2900-2905	6.8	32
312	Air-stable formamidinium/methylammonium mixed lead iodide perovskite integral microcrystals with low trap density and high photo-responsivity. *Physical Chemistry Chemical Physics*, **2019**, 21, 3106-3113	3.6	8
311	Exquisite modulation of ZnO nanoparticle electron transporting layer for high-performance fullerene-free organic solar cell with inverted structure. *Journal of Materials Chemistry A*, **2019**, 7, 3570-3576	13	38
310	Facile synthesis of homochiral compounds integrating circularly polarized luminescence and two-photon excited fluorescence. *Chemical Communications*, **2019**, 55, 2210-2213	5.8	14
309	Chiral Photonic Cellulose Films Enabling Mechano/Chemo Responsive Selective Reflection of Circularly Polarized Light. *Advanced Optical Materials*, **2019**, 7, 1801395	8.1	34
308	Encapsulation of live cells by metal-organic frameworks for viability protection. *Science China Materials*, **2019**, 62, 885-891	7.1	4
307	Controlling the Selectivity of Conjugated Microporous Polymer Membrane for Efficient Organic Solvent Nanofiltration. *Advanced Functional Materials*, **2019**, 29, 1900134	15.6	50
306	Metal-organic frameworks as emerging platform for supporting isolated single-site catalysts. *Nano Today*, **2019**, 27, 178-197	17.9	44
305	Interfacial engineering of metal-organic frameworks/graphene oxide composite membrane by polyethyleneimine for efficient H2/CH4 gas separation. *Inorganic Chemistry Frontiers*, **2019**, 6, 2043-2049	6.8	8
304	Encapsulation of Plasmid DNA by Nanoscale Metal-Organic Frameworks for Efficient Gene Transportation and Expression. *Advanced Materials*, **2019**, 31, e1901570	24	76
303	Detecting electronic structure evolution of semiconductor nanocrystals by magnetic circular dichroism spectroscopy. *Nanoscale*, **2019**, 11, 19380-19386	7.7	6
302	Facile development of CoAl-LDHs/RGO nanocomposites as photocatalysts for efficient hydrogen generation from water splitting under visible-light irradiation. *Inorganic Chemistry Frontiers*, **2019**, 6, 1753-1760	6.8	25
301	Poly-phenylenediamine-derived atomically dispersed Ni sites for the electroreduction of CO2 to CO. *Inorganic Chemistry Frontiers*, **2019**, 6, 1729-1734	6.8	9
300	Biomimetic Chiral Photonic Crystals. *Angewandte Chemie*, **2019**, 131, 7865-7869	3.6	18
299	Biomimetic Chiral Photonic Crystals. *Angewandte Chemie - International Edition*, **2019**, 58, 7783-7787	16.4	56
298	Biomineralized coordinated metal polymers in epoxy for high mechanical and tribological properties. *Composites Part A: Applied Science and Manufacturing*, **2019**, 123, 37-45	8.4	5
297	Regulating Bulk-Heterojunction Molecular Orientations through Surface Free Energy Control of Hole-Transporting Layers for High-Performance Organic Solar Cells. *Advanced Materials*, **2019**, 31, e1806921	24	53
296	Hollow TiO2 submicrospheres assembled by tiny nanocrystals as superior anode for lithium ion battery. *Journal of Materials Chemistry A*, **2019**, 7, 23733-23738	13	12

295	Mesoporous Au@ZnO flower-like nanostructure for enhanced formaldehyde sensing performance. *Inorganic Chemistry Communication*, **2019**, 102, 203-209	3.1	24
294	Perspective of Chiral Colloidal Semiconductor Nanocrystals: Opportunity and Challenge. *Journal of the American Chemical Society*, **2019**, 141, 13700-13707	16.4	65
293	Olefin/paraffin separation through membranes: from mechanisms to critical materials. *Journal of Materials Chemistry A*, **2019**, 7, 23489-23511	13	36
292	Near-infrared emissive carbon dots with 33.96% emission in aqueous solution for cellular sensing and light-emitting diodes. *Science Bulletin*, **2019**, 64, 1285-1292	10.6	173
291	Reordering d Orbital Energies of Single-Site Catalysts for CO2 Electroreduction. *Angewandte Chemie*, **2019**, 131, 12841-12846	3.6	30
290	Reordering d Orbital Energies of Single-Site Catalysts for CO Electroreduction. *Angewandte Chemie - International Edition*, **2019**, 58, 12711-12716	16.4	100
289	Enhancing hot-electron generation and transfer from metal to semiconductor in a plasmonic absorber. *Nano Energy*, **2019**, 63, 103873	17.1	13
288	High production-yield solid-state carbon dots with tunable photoluminescence for white/multi-color light-emitting diodes. *Science Bulletin*, **2019**, 64, 1788-1794	10.6	95
287	Configuration-Modulated Hot Electron Dynamics of Gold Nanorod Assemblies. *Journal of Physical Chemistry Letters*, **2019**, 10, 6578-6583	6.4	3
286	Halogen bonding reduces intrinsic traps and enhances charge mobilities in halide perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 6840-6848	13	20
285	MOF-derived nitrogen-doped nanoporous carbon for electroreduction of CO to CO: the calcining temperature effect and the mechanism. *Nanoscale*, **2019**, 11, 4911-4917	7.7	57
284	Tuning Surface Lattice Strain toward a Pt□kin CoPtx Truncated Octahedron for Hydrogen Evolution Reaction. *Journal of Physical Chemistry C*, **2019**, 123, 29722-29728	3.8	6
283	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. *Chemical Society Reviews*, **2019**, 48, 488-516	58.5	390
282	Membrane Separation in Organic Liquid: Technologies, Achievements, and Opportunities. *Advanced Materials*, **2019**, 31, e1806090	24	78
281	Wet-chemistry grafted active pyridinic nitrogen sites on holey graphene edges as high performance ORR electrocatalyst for Zn-Air□batteries. *Materials Today Energy*, **2019**, 11, 24-29	7	16
280	Facile synthesis of ultrathin metal-organic framework nanosheets for Lewis acid catalysis. *Nano Research*, **2019**, 12, 437-440	10	54
279	Hollow Metal-Organic-Framework Micro/Nanostructures and their Derivatives: Emerging Multifunctional Materials. *Advanced Materials*, **2019**, 31, e1803291	24	123
278	Fractal Reactor in Micro-Scale for Process Intensification. *International Journal of Chemical Reactor Engineering*, **2019**, 17,	1.2	3

277	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal-Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. *Angewandte Chemie - International Edition*, **2018**, 57, 5708-5713	16.4	108
276	Ultrathin Chiral Metal□Organic-Framework Nanosheets for Efficient Enantioselective Separation. *Angewandte Chemie*, **2018**, 130, 6989-6993	3.6	17
275	Ultrathin Chiral Metal-Organic-Framework Nanosheets for Efficient Enantioselective Separation. *Angewandte Chemie - International Edition*, **2018**, 57, 6873-6877	16.4	76
274	A Biopolymer Heparin Sodium Interlayer Anchoring TiO and MAPbI Enhances Trap Passivation and Device Stability in Perovskite Solar Cells. *Advanced Materials*, **2018**, 30, e1706924	24	141
273	A reassembled nanoporous gold leaf electrocatalyst for efficient CO2 reduction towards CO. *Inorganic Chemistry Frontiers*, **2018**, 5, 1207-1212	6.8	7
272	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal□Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. *Angewandte Chemie*, **2018**, 130, 5810-5815	3.6	27
271	Chiral Nanoparticles with Full-Color and White CPL Properties Based on Optically Stable Helical Aromatic Imide Enantiomers. *ACS Applied Materials & Interfaces*, **2018**, 10, 8225-8230	9.5	52
270	Uncovering the Circular Polarization Potential of Chiral Photonic Cellulose Films for Photonic Applications. *Advanced Materials*, **2018**, 30, e1705948	24	173
269	Self-assembly of near-unity helical Ce1□MxO2 (x = 0.1, M = Ni and Bi) solid solutions with tunable optical activity. *New Journal of Chemistry*, **2018**, 42, 1577-1580	3.6	
268	Microporous membranes comprising conjugated polymers with rigid backbones enable ultrafast organic-solvent nanofiltration. *Nature Chemistry*, **2018**, 10, 961-967	17.6	189
267	A Highly Efficient Non-Fullerene Organic Solar Cell with a Fill Factor over 0.80 Enabled by a Fine-Tuned Hole-Transporting Layer. *Advanced Materials*, **2018**, 30, e1801801	24	299
266	Metallic Cobalt-Carbon Composite as Recyclable and Robust Magnetic Photocatalyst for Efficient CO Reduction. *Small*, **2018**, 14, e1800762	11	61
265	Interfacial coupling between noble metal nanoparticles and metal-organic frameworks for enhanced catalytic activity. *Nanoscale*, **2018**, 10, 16425-16430	7.7	29
264	Sandwich-Like Reduced Graphene Oxide/Carbon Black/Amorphous Cobalt Borate Nanocomposites as Bifunctional Cathode Electrocatalyst in Rechargeable Zinc-Air Batteries. *Advanced Energy Materials*, **2018**, 8, 1801495	21.8	44
263	First achieving highly selective oxidation of aliphatic alcohols to aldehydes over photocatalysts. *Journal of Materials Chemistry A*, **2018**, 6, 13236-13243	13	22
262	Enantioseparation of Au (PP) Cl Clusters with Intrinsically Chiral Cores. *Angewandte Chemie - International Edition*, **2018**, 57, 9059-9063	16.4	68
261	Enantioseparation of Au20(PP3)4Cl4 Clusters with Intrinsically Chiral Cores. *Angewandte Chemie*, **2018**, 130, 9197-9201	3.6	13
260	Bimetal-organic frameworks for functionality optimization: MnFe-MOF-74 as a stable and efficient catalyst for the epoxidation of alkenes with HO. *Nanoscale*, **2018**, 10, 1591-1597	7.7	49

259	Remarkably enhanced water splitting activity of nickel foam due to simple immersion in a ferric nitrate solution. *Nano Research*, **2018**, 11, 3959-3971	10	45
258	Screening Commercial Semiconductors for Visible Light Driven Asymmetric Catalysis. *Particle and Particle Systems Characterization*, **2018**, 35, 1700280	3.1	9
257	Coordination-responsive drug release inside gold nanorod@metal-organic framework core–shell nanostructures for near-infrared-induced synergistic chemo-photothermal therapy. *Nano Research*, **2018**, 11, 3294-3305	10	137
256	C-doping into h-BN at low annealing temperature by alkaline earth metal borate for photoredox activity.. *RSC Advances*, **2018**, 8, 42109-42115	3.7	6
255	Optically Active Inverse Opal Photonic Crystals. *Journal of the American Chemical Society*, **2018**, 140, 16448-16449	14.7	89
254	In situ monitoring of molecular aggregation using circular dichroism. *Nature Communications*, **2018**, 9, 4961	17.4	49
253	Electrochemical Reduction of CO2 over Heterogeneous Catalysts in Aqueous Solution: Recent Progress and Perspectives. *Small Methods*, **2018**, 3, 1800369	12.8	74
252	Circularly Polarized Luminescent Carbon Dot Nanomaterials of Helical Superstructures for Circularly Polarized Light Detection. *Advanced Optical Materials*, **2018**, 6, 1801246	8.1	58
251	Metal-Organic Frameworks Encapsulating Active Nanoparticles as Emerging Composites for Catalysis: Recent Progress and Perspectives. *Advanced Materials*, **2018**, 30, e1800702	24	248
250	Distinct Excitonic Circular Dichroism between Wurtzite and Zincblende CdSe Nanoplatelets. *Nano Letters*, **2018**, 18, 6665-6671	11.5	45
249	Ultrathin Nitrogen-Doped Holey Carbon@Graphene Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions in Alkaline and Acidic Media. *Angewandte Chemie - International Edition*, **2018**, 57, 16511-16515	16.4	190
248	Bread-derived 3D macroporous carbon foams as high performance free-standing anode in microbial fuel cells. *Biosensors and Bioelectronics*, **2018**, 122, 217-223	11.8	53
247	Controllable fabrication of redox-active conjugated microporous polymers on reduced graphene oxide for high performance faradaic energy storage. *Journal of Materials Chemistry A*, **2018**, 6, 18827-18832	13	31
246	Polyamino acid interlayer facilitates electron extraction in narrow band gap fullerene-free organic solar cells with an outstanding short-circuit current. *Nano Energy*, **2018**, 50, 169-175	17.1	41
245	Understanding the temperature-dependent charge transport, structural variation and photoluminescent properties in methylammonium lead halide perovskite single crystals. *Journal of Materials Chemistry C*, **2018**, 6, 6556-6564	7.1	11
244	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. *Advanced Materials*, **2018**, 30, e1801171	24	134
243	Circular Dichroism Studies on Plasmonic Nanostructures. *Small*, **2017**, 13, 1601115	11	75
242	Shape-dependent ordering of gold nanocrystals into large-scale superlattices. *Nature Communications*, **2017**, 8, 14038	17.4	114

241	Research on Carbon-Based Electrode Materials for Supercapacitors. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2017**, 33, 130-148	3.8	20
240	Controlled synthesis of highly active Au/CeO2 nanotubes for CO oxidation. *Materials Chemistry Frontiers*, **2017**, 1, 1629-1634	7.8	16
239	Gold Nanowire Chiral Ultrathin Films with Ultrastrong and Broadband Optical Activity. *Angewandte Chemie*, **2017**, 129, 5137-5142	3.6	20
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