

Qichun Zhang

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475
papers

30,681
citations

97
h-index

157
g-index

523
ext. papers

35,861
ext. citations

7.7
avg, IF

7.99
L-index

#	Paper	IF	Citations
475	Graphene-based materials: synthesis, characterization, properties, and applications. <i>Small</i> , 2011 , 7, 1876-1902	17.6	1968
474	Imparting functionality to a metal-organic framework material by controlled nanoparticle encapsulation. <i>Nature Chemistry</i> , 2012 , 4, 310-6	17.6	1549
473	Preparation of novel 3D graphene networks for supercapacitor applications. <i>Small</i> , 2011 , 7, 3163-8	11	925
472	Strained endotaxial nanostructures with high thermoelectric figure of merit. <i>Nature Chemistry</i> , 2011 , 3, 160-6	17.6	794
471	Electrochemical deposition of ZnO nanorods on transparent reduced graphene oxide electrodes for hybrid solar cells. <i>Small</i> , 2010 , 6, 307-12	11	579
470	A Robust Luminescent Tb(III)-MOF with Lewis Basic Pyridyl Sites for the Highly Sensitive Detection of Metal Ions and Small Molecules. <i>Inorganic Chemistry</i> , 2016 , 55, 3265-71	5.1	430
469	A p-type Ti(IV)-based metal-organic framework with visible-light photo-response. <i>Chemical Communications</i> , 2014 , 50, 3786-8	5.8	375
468	Recent progress in non-fullerene small molecule acceptors in organic solar cells (OSCs). <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1275-1302	7.1	333
467	Lanthanide-doped Na(x)ScF(3+x) nanocrystals: crystal structure evolution and multicolor tuning. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8340-3	16.4	286
466	Recent progress in metal-organic frameworks-based hydrogels and aerogels and their applications. <i>Coordination Chemistry Reviews</i> , 2019 , 398, 213016	23.2	263
465	Growing crystalline chalcogenidoarsenates in surfactants: from zero-dimensional cluster to three-dimensional framework. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1256-9	16.4	251
464	Surfactants as Promising Media for the Preparation of Crystalline Inorganic Materials. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11616-23	16.4	248
463	Covalent Organic Frameworks: Advanced Organic Electrode Materials for Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1904199	21.8	240
462	Recent progress in rechargeable lithium batteries with organic materials as promising electrodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7091-7106	13	228
461	Recent progress in metal-organic frameworks as active materials for supercapacitors. <i>EnergyChem</i> , 2020 , 2, 100025	36.9	228
460	Nanostructured Conjugated Polymers: Toward High-Performance Organic Electrodes for Rechargeable Batteries. <i>ACS Energy Letters</i> , 2017 , 2, 1985-1996	20.1	221
459	Chalcogenide chemistry in ionic liquids: nonlinear optical wave-mixing properties of the double-cubane compound [Sb7S8Br2](AlCl4)3. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9896-7	16.4	221

458	A water-stable Tb(III)-based metalorganic gel (MOG) for detection of antibiotics and explosives. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 120-126	6.8	203
457	Nanostructured Conjugated Ladder Polymers for Stable and Fast Lithium Storage Anodes with High-Capacity. <i>Advanced Energy Materials</i> , 2015 , 5, 1402189	21.8	203
456	Surfactants as promising media in the field of metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2019 , 391, 30-43	23.2	201
455	A Multifunctional Tb-MOF for Highly Discriminative Sensing of Eu /Dy and as a Catalyst Support of Ag Nanoparticles. <i>Small</i> , 2017 , 13, 1602996	11	200
454	Linearly Fused Azaacenes: Novel Approaches and New Applications Beyond Field-Effect Transistors (FETs). <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28049-62	9.5	199
453	Recent Progress in Multivalent Metal (Mg, Zn, Ca, and Al) and Metal-Ion Rechargeable Batteries with Organic Materials as Promising Electrodes. <i>Small</i> , 2019 , 15, e1805061	11	194
452	Synthesis, Characterization, Physical Properties, and OLED Application of Single BN-Fused Perylene Diimide. <i>Journal of Organic Chemistry</i> , 2015 , 80, 196-203	4.2	193
451	New synthetic strategies to prepare metalorganic frameworks. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2693-2708	6.8	188
450	Recent progress in metalorganic polymers as promising electrodes for lithium/sodium rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4259-4290	13	186
449	Recent progress in two-dimensional COFs for energy-related applications. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14463-14479	13	185
448	Recent Advances on Functionalized Upconversion Nanoparticles for Detection of Small Molecules and Ions in Biosystems. <i>Advanced Science</i> , 2018 , 5, 1700609	13.6	182
447	Pushing Up Lithium Storage through Nanostructured Polyazaacene Analogues as Anode. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7354-8	16.4	181
446	Label-free, electrochemical detection of methicillin-resistant <i>Staphylococcus aureus</i> DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3881-6	11.8	180
445	Two (3,6)-connected porous metalorganic frameworks based on linear trinuclear [Co ₃ (COO) ₆] and paddlewheel dinuclear [Cu ₂ (COO) ₄] SBUs: gas adsorption, photocatalytic behaviour, and magnetic properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6962-6969	13	178
444	Efficient synthesis of a novel, twisted and stable, electroluminescent "twistacene". <i>Organic Letters</i> , 2003 , 5, 4433-6	6.2	178
443	Reducing aggregation caused quenching effect through co-assembly of PAH chromophores and molecular barriers. <i>Nature Communications</i> , 2019 , 10, 169	17.4	178
442	Hydrated Eutectic Electrolytes with Ligand-Oriented Solvation Shells for Long-Cycling Zinc-Organic Batteries. <i>Joule</i> , 2020 , 4, 1557-1574	27.8	177
441	Synthesis and structure characterization of a stable nonatwistacene. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6094-8	16.4	176

440	Synthesis, characterization, and nonvolatile ternary memory behavior of a larger heteroacene with nine linearly fused rings and two different heteroatoms. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14086-9	16.4	175
439	A perylene diimide (PDI)-based small molecule with tetrahedral configuration as a non-fullerene acceptor for organic solar cells. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4698-4705	7.1	164
438	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. <i>Nanoscale</i> , 2012 , 4, 293-7	7.7	164
437	Growing crystalline zinc-1,3,5-benzenetricarboxylate metal-organic frameworks in different surfactants. <i>Inorganic Chemistry</i> , 2014 , 53, 691-3	5.1	151
436	Toward a High-Performance All-Plastic Full Battery with a Single Organic Polymer as Both Cathode and Anode. <i>Advanced Energy Materials</i> , 2018 , 8, 1703509	21.8	150
435	Recent progress on organic donor-acceptor complexes as active elements in organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3485-3498	7.1	150
434	Living and Conducting: Coating Individual Bacterial Cells with In Situ Formed Polypyrrole. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10516-10520	16.4	146
433	Pushing up the efficiency of planar perovskite solar cells to 18.2% with organic small molecules as the electron transport layer. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7339-7344	13	143
432	Carbon Nanotube-Encapsulated Noble Metal Nanoparticle Hybrid as a Cathode Material for Li-Oxygen Batteries. <i>Advanced Functional Materials</i> , 2014 , 24, 6516-6523	15.6	143
431	Flexible carbon nanotube papers with improved thermoelectric properties. <i>Energy and Environmental Science</i> , 2012 , 5, 5364-5369	35.4	143
430	From isolated Ti-oxo clusters to infinite Ti-oxo chains and sheets: recent advances in photoactive Ti-based MOFs. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15245-15270	13	143
429	Organic Cocrystals: Beyond Electrical Conductivities and Field-Effect Transistors (FETs). <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9696-9711	16.4	143
428	Recent Progress in Organic Electron Transport Materials in Inverted Perovskite Solar Cells. <i>Small</i> , 2019 , 15, e1900854	11	141
427	New strategies to prepare crystalline chalcogenides. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 292	6.8	140
426	Improving Interfacial Charge Recombination in Planar Heterojunction Perovskite Photovoltaics with Small Molecule as Electron Transport Layer. <i>Advanced Energy Materials</i> , 2017 , 7, 1700522	21.8	139
425	Inorganic-organic hybrid polymer with multiple redox for high-density data storage. <i>Chemical Science</i> , 2014 , 5, 3404-3408	9.4	138
424	Recent progress in organic resistance memory with small molecules and inorganic-organic hybrid polymers as active elements. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10055-10065	7.1	135
423	Synthesis, Structure, and Air-stable N-type Field-Effect Transistor Behaviors of Functionalized Octaazanonacene-8,19-dione. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6292-6	16.4	134

4 ²²	A new surfactant-introduction strategy for separating the pure single-phase of metal-organic frameworks. <i>Chemical Communications</i> , 2015 , 51, 9479-82	5.8	132
4 ²¹	Polypyrrole nanotube film for flexible thermoelectric application. <i>Synthetic Metals</i> , 2014 , 196, 173-177	3.6	132
4 ²⁰	Solvothermal in situ ligand synthesis through disulfide cleavage: 3D (3,4)-connected and 2D square-grid-type coordination polymers. <i>Inorganic Chemistry</i> , 2006 , 45, 5736-8	5.1	132
4 ¹⁹	Self-Healing Behavior in a Thermo-Mechanically Responsive Cocrystal during a Reversible Phase Transition. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 198-202	16.4	131
4 ¹⁸	Surfactant media to grow new crystalline cobalt 1,3,5-benzenetricarboxylate metal-organic frameworks. <i>Inorganic Chemistry</i> , 2014 , 53, 8529-37	5.1	131
4 ¹⁷	Solution-processed nitrogen-rich graphene-like holey conjugated polymer for efficient lithium ion storage. <i>Nano Energy</i> , 2017 , 41, 117-127	17.1	128
4 ¹⁶	Nanostructured Conjugated Polymers for Energy-Related Applications beyond Solar Cells. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1489-511	4.5	127
4 ¹⁵	Enhancing Oxygen Evolution Reaction through Modulating Electronic Structure of Trimetallic Electrocatalysts Derived from Metal-Organic Frameworks. <i>Small</i> , 2019 , 15, e1901940	11	127
4 ¹⁴	Recent Progress in Thermoelectric Materials Based on Conjugated Polymers. <i>Polymers</i> , 2019 , 11,	4.5	126
4 ¹³	Assembly of Two Novel Cd ₃ /(Cd ₃ + Cd ₅)-Cluster-Based Metal-Organic Frameworks: Structures, Luminescence, and Photocatalytic Degradation of Organic Dyes. <i>Crystal Growth and Design</i> , 2016 , 16, 2309-2316	3.5	124
4 ¹²	An Azaacene Derivative as Promising Electron-Transport Layer for Inverted Perovskite Solar Cells. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2135-8	4.5	122
4 ¹¹	PDI Derivative through Fine-Tuning the Molecular Structure for Fullerene-Free Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29924-29931	9.5	120
4 ¹⁰	In situ synthesis of n-Bi ₂ MoO ₆ & Bi ₂ S ₃ heterojunctions for highly efficient photocatalytic removal of Cr(VI). <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22580-22589	13	119
4 ⁰⁹	Reduced graphene oxide films used as matrix of MALDI-TOF-MS for detection of octachlorodibenzo-p-dioxin. <i>Chemical Communications</i> , 2010 , 46, 6974-6	5.8	118
4 ⁰⁸	Synthesis, Full Characterization, and Field Effect Transistor Behavior of a Stable Pyrene-Fused N-Heteroacene with Twelve Linearly Annulated Six-Membered Rings. <i>Chemistry of Materials</i> , 2017 , 29, 4172-4175	9.6	117
4 ⁰⁷	Azaacenes as active elements for sensing and bio applications. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 7060-7074	7.3	115
4 ⁰⁶	Tuning metal-carboxylate coordination in crystalline metal-organic frameworks through surfactant media. <i>Journal of Solid State Chemistry</i> , 2013 , 206, 27-31	3.3	115
4 ⁰⁵	Kinetically controlling phase transformations of crystalline mercury selenidostannates through surfactant media. <i>Inorganic Chemistry</i> , 2013 , 52, 4148-50	5.1	115

404	Recent progress in crystalline metal chalcogenides as efficient photocatalysts for organic pollutant degradation. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1953-1962	6.8	114
403	2D Metal-Organic Frameworks (MOFs) for High-Performance BatCap Hybrid Devices. <i>Small</i> , 2020 , 16, e2001987	11	113
402	Employing a Flexible and Low-Cost Polypyrrole Nanotube Membrane as an Anode to Enhance Current Generation in Microbial Fuel Cells. <i>Small</i> , 2015 , 11, 3440-3	11	113
401	Synthesis and physical properties of four hexazapentacene derivatives. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20298-301	16.4	113
400	Postchemistry of organic particles: when TTF microparticles meet TCNQ microstructures in aqueous solution. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6926-8	16.4	113
399	Synthesis, characterization, and non-volatile memory device application of an N-substituted heteroacene. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 779-83	4.5	112
398	Pyrene-fused Acenes and Azaacenes: Synthesis and Applications. <i>Chemical Record</i> , 2016 , 16, 1518-30	6.6	112
397	Porous Cobalt Metal-Organic Frameworks as Active Elements in Battery-Supercapacitor Hybrid Devices. <i>Inorganic Chemistry</i> , 2020 , 59, 6808-6814	5.1	111
396	Hydrazine-hydrothermal method to synthesize three-dimensional chalcogenide framework for photocatalytic hydrogen generation. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2644-2649	3.3	111
395	Synthesis, physical properties, and light-emitting diode performance of phenazine-based derivatives with three, five, and nine fused six-membered rings. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3030-5	4.2	110
394	A surfactant-thermal method to prepare four new three-dimensional heterometal-organic frameworks. <i>Dalton Transactions</i> , 2013 , 42, 11367-70	4.3	110
393	Synthesis and nonvolatile memory behaviors of dioxatetraazapentacene derivatives. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6458-62	9.5	110
392	Synthesis in ionic liquids: [Bi ₂ Te ₂ Br](AlCl ₄), a direct gap semiconductor with a cationic framework. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14760-2	16.4	110
391	Synthesis, structure, and optoelectronic properties of a new twistacene 1,2,3,4,6,13-hexaphenyl-7 : 8,11 : 12-bisbenzo-pentacene. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8167		110
390	Crystal structure and phototransistor behavior of N-substituted heptacene. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1883-6	9.5	109
389	Enhanced Catalytic Reduction of p-Nitrophenol on Ultrathin MoS ₂ Nanosheets Decorated with Noble Metal Nanoparticles. <i>Crystal Growth and Design</i> , 2017 , 17, 3538-3547	3.5	108
388	A rare (3,4)-connected chalcogenide superlattice and its photoelectric effect. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 113-6	16.4	108
387	Perovskite-Based Nanocrystals: Synthesis and Applications beyond Solar Cells. <i>Small Methods</i> , 2018 , 2, 1700380	12.8	108

386	Recent Progress in Metal-Free Covalent Organic Frameworks as Heterogeneous Catalysts. <i>Small</i> , 2020 , 16, e2001070	11	104
385	Preparation, characterization, and photoswitching/light-emitting behaviors of coronene nanowires. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1423-1427		104
384	Recent Progress in Stimulus-Responsive Two-Dimensional Metal-Organic Frameworks 2020 , 2, 779-797		103
383	Synthesis, structure, and physical properties of 5,7,14,16-tetraphenyl-8:9,12:13-bisbenzo-hexatwistacene. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 561-4	4.5	103
382	Rhodamine-modified upconversion nanophosphors for ratiometric detection of hypochlorous acid in aqueous solution and living cells. <i>Small</i> , 2014 , 10, 3560-7	11	102
381	Synthesis, physical properties, and anion recognition of two novel larger azaacenes: benzannelated hexazaheptacene and benzannelated N,N'-dihydrohexazaheptacene. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 1574-8	4.5	102
380	Approaching a stable, green twisted heteroacene through "clean reaction" strategy. <i>Chemical Communications</i> , 2012 , 48, 5974-6	5.8	99
379	Highly Conductive Two-Dimensional Metal-Organic Frameworks for Resilient Lithium Storage with Superb Rate Capability. <i>ACS Nano</i> , 2020 , 14, 12016-12026	16.7	98
378	Chiral semiconductor frameworks from cadmium sulfide clusters. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8412-3	16.4	97
377	A Polar and Chiral Indium Telluride Featuring Supertetrahedral T ₂ Clusters and Nonlinear Optical Second Harmonic Generation. <i>Chemistry of Materials</i> , 2009 , 21, 12-14	9.6	96
376	Synthesis, characterization, and bipolar transporting behavior of a new twisted polycyclic aromatic hydrocarbon: 1',4'-diphenyl-naphtho-(2'.3':1.2)-pyrene-6'-nitro-7'-methyl carboxylate. <i>Chemistry - A European Journal</i> , 2010 , 16, 7422-6	4.8	95
375	A Highly Stable, New Electrochromic Polymer: Poly(1,4-bis(2-(3,4-ethylenedioxy)thienyl)-2-methoxy-5-(2-ethylhexyloxy)benzene). <i>Advanced Functional Materials</i> , 2003 , 13, 726-731	15.6	95
374	A large pyrene-fused N-heteroacene: fifteen aromatic six-membered rings annulated in one row. <i>Chemical Communications</i> , 2017 , 53, 7772-7775	5.8	94
373	Two-Dimensional (2D) Covalent Organic Framework as Efficient Cathode for Binder-free Lithium-Ion Battery. <i>ChemSusChem</i> , 2020 , 13, 2457-2463	8.3	94
372	Photostimulus-Responsive Large-Area Two-Dimensional Covalent Organic Framework Films. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16101-16104	16.4	92
371	Improving charge collection in Escherichia coli-carbon electrode devices with conjugated oligoelectrolytes. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 5867-72	3.6	92
370	"Clean reaction" strategy to approach a stable, green heptatwistacene containing a single terminal pyrene unit. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 672-5	4.5	92
369	Synthesis, characterization, and physical properties of a conjugated heteroacene: 2-methyl-1,4,6,7,8,9-hexaphenylbenz(g)isoquinolin-3(2H)-one (BIQ). <i>Chemistry - an Asian Journal</i> , 2011 , 6, 856-62	4.5	92

- 368 Crystalline superlattices from single-sized quantum dots. *Journal of the American Chemical Society*, **2005**, 127, 11963-5 16.4 92
- 367 Investigating thermoelectric properties of doped polyaniline nanowires. *Synthetic Metals*, **2014**, 189, 177-182 3.6 90
- 366 Chemical reaction between Ag nanoparticles and TCNQ microparticles in aqueous solution. *Small*, **2011**, 7, 1242-6 11 89
- 365 Mono- and Oligocyclic Aromatic Ynes and Dienes as Building Blocks to Approach Larger Acenes, Heteroacenes, and Twistacenes. *Synlett*, **2013**, 24, 686-696 2.2 88
- 364 Organization of tetrahedral chalcogenide clusters using a tetrahedral quadridentate linker. *Inorganic Chemistry*, **2008**, 47, 9724-6 5.1 88
- 363 Ultrafine Pt Nanoparticles and Amorphous Nickel Supported on 3D Mesoporous Carbon Derived from Cu-Metal-Organic Framework for Efficient Methanol Oxidation and Nitrophenol Reduction. *ACS Applied Materials & Interfaces*, **2018**, 10, 12740-12749 9.5 87
- 362 Shape-Controlled Micro/Nanostructures of 9,10-Diphenylanthracene (DPA) and Their Application in Light-Emitting Devices. *Journal of Physical Chemistry C*, **2011**, 115, 7924-7927 3.8 87
- 361 Synthesis, characterization, self-assembly, and physical properties of 11-methylbenzo[d]pyreno[4,5-b]furan. *Organic Letters*, **2011**, 13, 3004-7 6.2 87
- 360 Recent advances in vacancy engineering of metal-organic frameworks and their derivatives for electrocatalysis. *SusMat*, **2021**, 1, 66-87 87
- 359 Nanostructured potassium-organic framework as an effective anode for potassium-ion batteries with a long cycle life. *Nanoscale*, **2020**, 12, 7870-7874 7.7 85
- 358 Switching charge-transfer characteristics from p-type to n-type through molecular "doping" (co-crystallization). *Chemical Science*, **2016**, 7, 3851-3856 9.4 80
- 357 Double [4 + 2] cycloaddition reaction to approach a large acene with even-number linearly fused benzene rings: 6,9,16,19-tetraphenyl-1,20,4,5,10,11,14,15-tetrabenzooctatwistacene. *Journal of Organic Chemistry*, **2015**, 80, 109-13 4.2 79
- 356 Morphology regulation of metal-organic framework-derived nanostructures for efficient oxygen evolution electrocatalysis. *Journal of Materials Chemistry A*, **2020**, 8, 18215-18219 13 79
- 355 Ion Pair Charge-Transfer Salts Based on Metal Chalcogenide Clusters and Methyl Viologen Cations. *Chemistry of Materials*, **2008**, 20, 4170-4172 9.6 78
- 354 Metal-complex-decorated homochiral heterobimetallic telluride single-stranded helix. *Inorganic Chemistry*, **2007**, 46, 7262-4 5.1 78
- 353 4-Diphenylamino-phenyl substituted pyrazine: nonlinear optical switching by protonation. *Journal of Materials Chemistry C*, **2015**, 3, 9191-9196 7.1 77
- 352 Molecular-Barrier-Enhanced Aromatic Fluorophores in Cocrystals with Unity Quantum Efficiency. *Angewandte Chemie - International Edition*, **2018**, 57, 1928-1932 16.4 77
- 351 Surfactant-thermal method to synthesize a novel two-dimensional oxochalcogenide. *Chemistry - an Asian Journal*, **2014**, 9, 131-4 4.5 74

350	Inorganic-organic hybrid nanoprobe for NIR-excited imaging of hydrogen sulfide in cell cultures and inflammation in a mouse model. <i>Small</i> , 2014 , 10, 4874-85	11	72
349	Kinetically controlled assembly of a spirocyclic aromatic hydrocarbon into polyhedral micro/nanocrystals. <i>ACS Nano</i> , 2012 , 6, 5309-19	16.7	72
348	Temperature-Controlled Synthesis of Porous CuO Particles with Different Morphologies for Highly Sensitive Detection of Triethylamine. <i>Crystal Growth and Design</i> , 2017 , 17, 2158-2165	3.5	71
347	Ni- and/or Mn-based layered transition metal oxides as cathode materials for sodium ion batteries: status, challenges and countermeasures. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10138-10158	13	70
346	Thiazole derivative-modified upconversion nanoparticles for Hg(2+) detection in living cells. <i>Nanoscale</i> , 2016 , 8, 276-82	7.7	69
345	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2021 , 2108017-0	3.8	69
344	Two-fold interpenetrated Mn-based metal-organic frameworks (MOFs) as battery-type electrode materials for charge storage. <i>Dalton Transactions</i> , 2020 , 49, 411-417	4.3	69
343	[4 + 2] cycloaddition reaction to approach diazawistpentacenes: synthesis, structures, physical properties, and self-assembly. <i>Journal of Organic Chemistry</i> , 2014 , 79, 4438-45	4.2	68
342	Electrochromic two-dimensional covalent organic framework with a reversible dark-to-transparent switch. <i>Nature Communications</i> , 2020 , 11, 5534	17.4	68
341	Fe-Based Coordination Polymers as Battery-Type Electrodes in Semi-Solid-State Battery-Supercapacitor Hybrid Devices. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15315-15323	9.5	67
340	Comparative studies on single-layer reduced graphene oxide films obtained by electrochemical reduction and hydrazine vapor reduction. <i>Nanoscale Research Letters</i> , 2012 , 7, 161	5	66
339	Carbon and carbon composites for thermoelectric applications 2020 , 2, 408-436		65
338	Recent progress in carbonyl-based organic polymers as promising electrode materials for lithium-ion batteries (LIBs). <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11906-11922	13	64
337	Hybrid Conducting Biofilm with Built-in Bacteria for High-Performance Microbial Fuel Cells. <i>ChemElectroChem</i> , 2015 , 2, 654-658	4.3	64
336	Synthesis and Structure Characterization of a Stable Nonatwistacene. <i>Angewandte Chemie</i> , 2012 , 124, 6198-6202	3.6	64
335	Molecule-based water-oxidation catalysts (WOCs): cluster-size-dependent dye-sensitized polyoxometalates for visible-light-driven O ₂ evolution. <i>Scientific Reports</i> , 2013 , 3, 1853	4.9	64
334	Dye-sensitized solar cell with a titanium-oxide-modified carbon nanotube transparent electrode. <i>Applied Physics Letters</i> , 2011 , 99, 021107	3.4	64
333	{[Ga(en) ₃] ₂ (Ge ₂ Te ₁₅) _n }: a polymeric semiconducting polytelluride with boat-shaped Te ₈ (4-) rings and cross-shaped Te ₅ (6-) units. <i>Inorganic Chemistry</i> , 2009 , 48, 10910-2	5.1	64

- 332 1,5,9-Triaza-2,6,10-triphenylboracoronene: BN-embedded analogue of coronene. *Organic Letters*, **2015**, 17, 560-3 6.2 63
- 331 A divergent route to core- and peripherally functionalized diazacoronenes that act as colorimetric and fluorescence proton sensors. *Chemical Science*, **2015**, 6, 3180-3186 9.4 61
- 330 A cyanine-modified upconversion nanoprobe for NIR-excited imaging of endogenous hydrogen peroxide signaling in vivo. *Biomaterials*, **2015**, 54, 34-43 15.6 60
- 329 Boosting the performance of organic cathodes through structure tuning. *Journal of Materials Chemistry A*, **2018**, 6, 12985-12991 13 60
- 328 Solvent Accommodation: Functionalities Can Be Tailored Through Co-Crystallization Based on 1:1 Coronene-FTCNQ Charge-Transfer Complex. *ACS Applied Materials & Interfaces*, **2017**, 9, 1183-1188 9.5 59
- 327 Two-dimensional indium sulfide framework constructed from pentasupertetrahedral p1 and supertetrahedral t2 clusters. *Inorganic Chemistry*, **2006**, 45, 6684-7 5.1 59
- 326 Rewritable multilevel memory performance of a tetraazatetracene donor-acceptor derivative with good endurance. *Chemistry - an Asian Journal*, **2015**, 10, 116-9 4.5 58
- 325 Recent advances in organic-based materials for resistive memory applications. *Informa Materials*, **2020**, 2, 995-1033 23.1 58
- 324 Synthesis of tetranitro-oxacalix[4]arene with oligoheteroacene groups and its nonvolatile ternary memory performance. *Materials Horizons*, **2014**, 1, 446-451 14.4 58
- 323 Pillar[5]quinone-Carbon Nanocomposites as High-Capacity Cathodes for Sodium-Ion Batteries. *Chemistry of Materials*, **2019**, 31, 8069-8075 9.6 57
- 322 Novel Zn_{0.8}Cd_{0.2}S@g-C₃N₄ core-shell heterojunctions with a twin structure for enhanced visible-light-driven photocatalytic hydrogen generation. *Journal of Materials Chemistry A*, **2018**, 6, 17086-17094 13.7 53
- 321 Polymeric Graphene Bulk Materials with a 3D Cross-Linked Monolithic Graphene Network. *Advanced Materials*, **2019**, 31, e1802403 24 52
- 320 A novel quinone-based polymer electrode for high performance lithium-ion batteries. *Science China Materials*, **2016**, 59, 6-11 7.1 52
- 319 Durable Waterborne Hydrophobic Bio-Epoxy Coating with Improved Anti-Icing and Self-Cleaning Performance. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 641-649 8.3 52
- 318 In situ synthesis of a FeS/MIL-53(Fe) hybrid catalyst for an efficient electrocatalytic hydrogen evolution reaction. *Chemical Communications*, **2019**, 55, 4570-4573 5.8 51
- 317 Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. *Angewandte Chemie - International Edition*, **2018**, 57, 13555-13559 16.4 51
- 316 Co₆(β-OH)₆ cluster based coordination polymer as an effective heterogeneous catalyst for aerobic epoxidation of alkenes. *Dalton Transactions*, **2014**, 43, 2559-65 4.3 51
- 315 Activation of tellurium with Zintl ions: 1/∞[[Ge₅Te₁₀]⁴⁻], an inorganic polymer with germanium in three different oxidation states. *Inorganic Chemistry*, **2009**, 48, 8665-7 5.1 51

314	Different modulation of on the absorption profiling of triptolide and tripterine from in rat intestine. <i>Chinese Medicine</i> , 2018 , 13, 1	4.7	50
313	Postchemistry of inorganic-organic hybrid particles in aqueous solution: metal-cation exchange. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1004-6	4.5	50
312	Recent progress on intramolecular charge-transfer compounds as photoelectric active materials. <i>Science China Materials</i> , 2017 , 60, 1093-1101	7.1	49
311	Inkjet-printed porous polyaniline gel as an efficient anode for microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14555-14559	13	49
310	Two-dimensional lead-free halide perovskite materials and devices. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23563-23576	13	48
309	Mechanically robust hydrophobic bio-based epoxy coatings for anti-corrosion application. <i>Surface and Coatings Technology</i> , 2019 , 363, 43-50	4.4	48
308	A crystalline Cu ₃ N ₃ framework for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19410-19416	13	48
307	An irreversible electrolyte anion-doping strategy toward a superior aqueous Zn-organic battery. <i>Energy Storage Materials</i> , 2020 , 33, 283-289	19.4	47
306	Recent progress on pristine two-dimensional metal-organic frameworks as active components in supercapacitors. <i>Dalton Transactions</i> , 2021 , 50, 11331-11346	4.3	47
305	Novel Conjugated Ladder-Structured Oligomer Anode with High Lithium Storage and Long Cycling Capability. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16932-8	9.5	46
304	A new N-substituted heteroacene can detect CN ⁻ and F ⁻ anions via anion-π interaction. <i>RSC Advances</i> , 2013 , 3, 9653	3.7	46
303	Poly(2,5-Dihydroxy-1,4-Benzoquinonyl Sulfide) As an Efficient Cathode for High-Performance Aqueous Zinc Organic Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2010049	15.6	46
302	From non-detectable to decent: replacement of oxygen with sulfur in naphthalene diimide boosts electron transport in organic thin-film transistors (OTFT). <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8219-8224	7.1	45
301	Comparison of flavins and a conjugated oligoelectrolyte in stimulating extracellular electron transport from <i>Shewanella oneidensis</i> MR-1. <i>Electrochemistry Communications</i> , 2014 , 41, 55-58	5.1	45
300	Metal-organic frameworks from zinc sulfite clusters, chains, and sheets: 4-connected, (3,4)-connected 3-D frameworks and 2-D arrays of catenane-like interlocking rings. <i>Inorganic Chemistry</i> , 2006 , 45, 10722-7	5.1	45
299	A novel heteroacene, 2-(2,3,4,5-tetrafluorophenyl)-1H-imidazo[4,5-b]phenazine as a multi-response sensor for F ⁻ detection. <i>Tetrahedron Letters</i> , 2013 , 54, 2633-2636	2	44
298	Electrochemical deposition of Pt nanoparticles on carbon nanotube patterns for glucose detection. <i>Analyst, The</i> , 2010 , 135, 1726-30	5	44
297	Enhancing the Performance of a Battery-Supercapacitor Hybrid Energy Device Through Narrowing the Capacitance Difference Between Two Electrodes via the Utilization of 2D MOF-Nanosheet-Derived Ni@Nitrogen-Doped-Carbon Core-Shell Rings as Both Negative and Positive Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47482-47489	9.5	43

296	Improving the Performance of Lithium-Sulfur Batteries by Employing Polyimide Particles as Hosting Matrixes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7464-70	9.5	43
295	Ag-NPs embedded in two novel Zn/Zn-cluster-based metal-organic frameworks for catalytic reduction of 2/3/4-nitrophenol. <i>Dalton Transactions</i> , 2017 , 46, 2430-2438	4.3	42
294	Recent Progress in Using Pyrene-4,5-diketones and Pyrene-4,5,9,10-tetraketones as Building Blocks to Construct Large Acenes and Heteroacenes. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 2130-2146	3	42
293	Recent progress in efficient organic two-photon dyes for fluorescence imaging and photodynamic therapy. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6342-6349	7.1	41
292	Organic-Dye-Modified Upconversion Nanoparticle as a Multichannel Probe To Detect Cu in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1028-1032	9.5	41
291	Solution-processable thiadiazoloquinoxaline-based donor-acceptor small molecules for thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3809-3814	7.1	41
290	Recent Advance in Ionic-Liquid-Based Electrolytes for Rechargeable Metal-Ion Batteries. <i>Advanced Science</i> , 2021 , 8, 2004490	13.6	41
289	Efficient Inverted Perovskite Solar Cells by Employing N-Type (D-A -D-A) Polymers as Electron Transporting Layer. <i>Small</i> , 2019 , 15, e1803339	11	41
288	Nanostructured Metal-Organic Conjugated Coordination Polymers with Ligand Tailoring for Superior Rechargeable Energy Storage. <i>Small</i> , 2019 , 15, e1903188	11	40
287	Synthesis, physical properties, and self-assembly of a novel asymmetric aroyleneimidazophenazine. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 665-9	4.5	40
286	Dye-sensitized solar cell with a pair of carbon-based electrodes. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 165103	3	40
285	Nitrogen-doped carbon nanotube-based bilayer thin film as transparent counter electrode for dye-sensitized solar cells (DSSCs). <i>Chemistry - an Asian Journal</i> , 2012 , 7, 541-5	4.5	40
284	Recent progress in ligand-centered homogeneous electrocatalysts for hydrogen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 343-354	6.8	39
283	Surfactant-thermal syntheses, structures, and magnetic properties of Mn-Ge-sulfides/selenides. <i>Inorganic Chemistry</i> , 2014 , 53, 10248-56	5.1	39
282	High density lipoprotein (HDL) promotes glucose uptake in adipocytes and glycogen synthesis in muscle cells. <i>PLoS ONE</i> , 2011 , 6, e23556	3.7	39
281	Recent progress in covalent organic frameworks as light-emitting materials. <i>Materials Today Energy</i> , 2021 , 20, 100635	7	39
280	Pushing Up Lithium Storage through Nanostructured Polyazaacene Analogues as Anode. <i>Angewandte Chemie</i> , 2015 , 127, 7462-7466	3.6	38
279	Dye-sensitized polyoxometalate for visible-light-driven photoelectrochemical cells. <i>Dalton Transactions</i> , 2015 , 44, 14354-8	4.3	37

278	Preparation and photoelectrochemical behavior of 1,4,6,8,11,13-hexazapentacene (HAP). <i>Chemical Communications</i> , 2014 , 50, 7656-8	5.8	37
277	Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8425-9	16.4	37
276	Ferrocene-Based Mixed-Valence Metal-Organic Framework as an Efficient and Stable Cathode for Lithium-Ion-Based Dual-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32719-32725	9.5	36
275	Rational Control of Charge Transfer Excitons Toward High-Contrast Reversible Mechanoresponsive Luminescent Switching. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17580-17586	16.4	36
274	Assembly and photochemical properties of mesoporous networks of spinel ferrite nanoparticles for environmental photocatalytic remediation. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 330-339	21.8	36
273	A new hydrazine-bridged thioantimonate Mn ₂ Sb ₄ S ₈ (N ₂ H ₄) ₂ : Synthesis, structure, optical and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 884-888	3.1	36
272	Preparation, characterization, physical properties, and photoconducting behaviour of anthracene derivative nanowires. <i>Nanoscale</i> , 2011 , 3, 4720-3	7.7	36
271	Solvothermal Conversion of Discrete Cubic Cadmium Thiolate Cluster into Supertetrahedral Cluster Decorating Quartz-Type Chiral Superlattice. <i>Chemistry of Materials</i> , 2008 , 20, 3239-3241	9.6	36
270	Flavonoids extracted from mulberry (<i>Morus alba</i> L.) leaf improve skeletal muscle mitochondrial function by activating AMPK in type 2 diabetes. <i>Journal of Ethnopharmacology</i> , 2020 , 248, 112326	5	36
269	Non-Metal Ion Co-Insertion Chemistry in Aqueous Zn/MnO Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7056-7060	16.4	36
268	Microbial Fuel Cells: Nanomaterials Based on Anode and Their Application. <i>Energy Technology</i> , 2020 , 8, 2000206	3.5	35
267	Recent Progress in High Linearly Fused Polycyclic Conjugated Hydrocarbons (PCHs, > 6) with Well-Defined Structures. <i>Advanced Science</i> , 2020 , 7, 1903766	13.6	35
266	Synthesis, crystal structure, and optical properties of a three-dimensional quaternary Hg-In-S-Cl chalcogenide: Hg ₇ In ₆ S ₆ Cl ₅ . <i>Inorganic Chemistry</i> , 2012 , 51, 4414-6	5.1	35
265	Ferrocene-based metal-organic framework as a promising cathode in lithium-ion battery. <i>Chemical Engineering Journal</i> , 2021 , 404, 126463	14.7	35
264	Highly Robust Organometallic Small-Molecule-Based Nonvolatile Resistive Memory Controlled by a Redox-Gated Switching Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40332-40338	9.5	34
263	Recent progress in well-defined higher azaacenes (n ≥ 6): synthesis, molecular packing, and applications. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3419-3432	7.8	34
262	Multifunctional Features of Organic Charge-Transfer Complexes: Advances and Perspectives. <i>Chemistry - A European Journal</i> , 2021 , 27, 464-490	4.8	34
261	Synthesis and Exploration of Ladder-Structured Large Aromatic Dianhydrides as Organic Cathodes for Rechargeable Lithium-Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 868-876	4.5	33

260	Constructing Multifunctional Heterostructure of Fe O @Ni Se Nanotubes. <i>Small</i> , 2018 , 14, e1704065	11	33
259	Organic Cocrystals: Beyond Electrical Conductivities and Field-Effect Transistors (FETs). <i>Angewandte Chemie</i> , 2019 , 131, 9798-9813	3.6	33
258	Electrochemical oxidation of C3 saturated alcohols on Co3O4 in alkaline. <i>Electrochimica Acta</i> , 2017 , 228, 183-194	6.7	32
257	Synthesis, physical properties and OLED performance of azatetracenes. <i>Dyes and Pigments</i> , 2015 , 112, 93-98	4.6	32
256	Naphtho[2,3-b]thiophene diimide (NTI): a mono-functionalizable core-extended naphthalene diimide for electron-deficient architectures. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8879-8883	7.1	32
255	N,S-doped carbon dots as dual-functional modifiers to boost bio-electricity generation of individually-modified bacterial cells. <i>Nano Energy</i> , 2019 , 63, 103875	17.1	32
254	[enH][Cu2AgSnS4]: a quaternary layered sulfide based on CuAgSnS composition. <i>CrystEngComm</i> , 2014 , 16, 5989-5992	3.3	32
253	Understanding the structure-determining solid fluorescence of an azaacene derivative. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8869-8874	7.1	32
252	Amine-controlled assembly of metal-sulfite architecture from 1D chains to 3D framework. <i>Inorganic Chemistry</i> , 2007 , 46, 6283-90	5.1	32
251	Controlled deposition of large-area and highly-ordered thin films: effect of dip-coating-induced morphological evolution on resistive memory performance. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3512-3521	7.1	32
250	Self-Healing Behavior in a Thermo-Mechanically Responsive Cocrystal during a Reversible Phase Transition. <i>Angewandte Chemie</i> , 2017 , 129, 204-208	3.6	31
249	Thermally Induced Reversible Double Phase Transitions in an Organic-Inorganic Hybrid Iodoplumbate C4H12NPbI3 with Symmetry Breaking. <i>Inorganic Chemistry</i> , 2016 , 55, 8025-30	5.1	31
248	Anisotropic Magnetoelectric Coupling and Cotton-Mouton Effects in the Organic Magnetic Charge-Transfer Complex Pyrene-FTCNQ. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44654-44659	9.5	31
247	Thiadizoloquinoline-Based N-Heteroacenes as Active Elements for High-Density Data-Storage Device. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15971-15979	9.5	30
246	Uncovering alternate charge transfer mechanisms in Escherichia coli chemically functionalized with conjugated oligoelectrolytes. <i>Chemical Communications</i> , 2014 , 50, 8223-6	5.8	30
245	Pyridinium-fused pyridinone: a novel "turn-on" fluorescent chemodosimeter for cyanide. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 121-5	4.5	30
244	Synthesis of porous amorphous FePO4 nanotubes and their lithium storage properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 1568-72	4.8	30
243	Experimental and theoretical studies on pyrene-grafted polyoxometalate hybrid. <i>Dalton Transactions</i> , 2012 , 41, 12185-91	4.3	30

242	Synthesis, structure, physical properties and OLED application of pyrazine-triphenylamine fused conjugated compounds. <i>RSC Advances</i> , 2015 , 5, 63080-63086	3.7	29
241	Metabolomics-based mechanisms exploration of Huang-Lian Jie-Du decoction on cerebral ischemia via UPLC-Q-TOF/MS analysis on rat serum. <i>Journal of Ethnopharmacology</i> , 2018 , 216, 147-156	5	29
240	A surfactant-thermal method to prepare crystalline thioantimonate for high-performance lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 111-116	6.8	29
239	Recent Progress in External-Stimulus-Responsive 2D Covalent Organic Frameworks. <i>Advanced Materials</i> , 2021 , e2101175	24	29
238	Synthesis, Structure, and Air-stable N-type Field-Effect Transistor Behaviors of Functionalized Octaazanonacene-8,19-dione. <i>Angewandte Chemie</i> , 2015 , 127, 6390-6394	3.6	28
237	Preconditioning with the traditional Chinese medicine Huang-Lian-Jie-Du-Tang initiates HIF-1-dependent neuroprotection against cerebral ischemia in rats. <i>Journal of Ethnopharmacology</i> , 2014 , 154, 443-52	5	28
236	Simultaneous crystallization of an in situ formed conjugated polymer and inorganic matrix for structure solving. <i>Chemical Communications</i> , 2017 , 53, 12365-12368	5.8	28
235	Synthesis and Properties of a Diazopentacene Analogue. <i>Asian Journal of Organic Chemistry</i> , 2012 , 1, 346-351	3	28
234	Recent progress in integrated functional electrochromic energy storage devices. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15507-15525	7.1	28
233	IRS1/PI3K/AKT pathway signal involved in the regulation of glycolipid metabolic abnormalities by Mulberry (L.) leaf extracts in 3T3-L1 adipocytes. <i>Chinese Medicine</i> , 2020 , 15, 1	4.7	28
232	Ladder-Type Nonacyclic Arene Bis(thieno[3,2-b]thieno)cyclopentafluorene as a Promising Building Block for Non-Fullerene Acceptors. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1814-1822	4.5	28
231	Mesoporous implantable Pt/SrTiO ₃ :C,N nanocuboids delivering enhanced photocatalytic H ₂ -production activity via plasmon-induced interfacial electron transfer. <i>Applied Catalysis B: Environmental</i> , 2018 , 236, 338-347	21.8	28
230	Hydrophilic engineering of VO _x -based nanosheets for ambient electrochemical ammonia synthesis at neutral pH. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5913-5918	13	27
229	Surfactants as additives make the structures of organic-inorganic hybrid bromoplumbates diverse. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1388-1392	6.8	27
228	Novel pharmacokinetic studies of the Chinese formula Huang-Lian-Jie-Du-Tang in MCAO rats. <i>Phytomedicine</i> , 2013 , 20, 767-74	6.5	27
227	Surfactant-thermal method to prepare two novel two-dimensional MnSbS ₂ compounds for photocatalytic applications. <i>Journal of Solid State Chemistry</i> , 2014 , 220, 118-123	3.3	27
226	Integrated pharmacokinetics of major bioactive components in MCAO rats after oral administration of Huang-Lian-Jie-Du-Tang. <i>Journal of Ethnopharmacology</i> , 2012 , 141, 158-69	5	27
225	Recent progress in aqueous monovalent-ion batteries with organic materials as promising electrodes. <i>Materials Today Energy</i> , 2020 , 18, 100547	7	27

224	Huang-Lian Jie-Du decoction: a review on phytochemical, pharmacological and pharmacokinetic investigations. <i>Chinese Medicine</i> , 2019 , 14, 57	4.7	27
223	An ambipolar azaacene as a stable photocathode for metal-free light-driven water reduction. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 495-498	7.8	26
222	Threading chalcogenide layers with polymer chains. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 546-50	16.4	26
221	Advances in metal-organic frameworks and their derivatives for diverse electrocatalytic applications. <i>Electrochemistry Communications</i> , 2021 , 126, 107024	5.1	26
220	Two-Dimensional Cobalt-/Nickel-Based Oxide Nanosheets for High-Performance Sodium and Lithium Storage. <i>Chemistry - A European Journal</i> , 2016 , 22, 18060-18065	4.8	26
219	Graphene/Fe O Nanocomposites as Efficient Anodes to Boost the Lifetime and Current Output of Microbial Fuel Cells. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 308-313	4.5	25
218	Graphene oxide supported sodium stannate lithium ion battery anodes by the peroxide route: low temperature and no waste processing. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20681-20689	13	25
217	Metabolite-enabled mutualistic interaction between <i>Shewanella oneidensis</i> and <i>Escherichia coli</i> in a co-culture using an electrode as electron acceptor. <i>Scientific Reports</i> , 2015 , 5, 11222	4.9	25
216	Ultralong In ₂ S ₃ Nanotubes on Graphene Substrate with Enhanced Electrocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20164-9	9.5	24
215	Threading Chalcogenide Layers with Polymer Chains. <i>Angewandte Chemie</i> , 2015 , 127, 556-560	3.6	24
214	Urocortin promotes the development of vasculitis in a rat model of thromboangiitis obliterans via corticotrophin-releasing factor type 1 receptors. <i>British Journal of Pharmacology</i> , 2009 , 157, 1368-79	8.6	24
213	Recent advances on π -conjugated polymers as active elements in high performance organic field-effect transistors. <i>Frontiers of Physics</i> , 2021 , 16, 1	3.7	24
212	Full Characterization and Photoelectrochemical Behavior of Pyrene-fused Octaazadecacene and Tetraazaocacene. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 482-5	4.5	24
211	A Colorimetric and Fluorimetric Chemodosimeter for Copper Ion Based on the Conversion of Dihydropyrazine to Pyrazine. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 136-40	4.5	24
210	Organic Materials as Electrodes in Potassium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2021 , 27, 6131-6144	4.8	24
209	Lysosome-Assisted Mitochondrial Targeting Nanoprobe Based on Dye-Modified Upconversion Nanophosphors for Ratiometric Imaging of Mitochondrial Hydrogen Sulfide. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39544-39556	9.5	24
208	Base-catalyzed cascade synthesis of 2,3-dihydrofuro[2,3-b]pyridines and 2,3-dihydro-1H-pyrrolo[2,3-b]pyridines from N-propargylic β -enammones. <i>Chemical Communications</i> , 2017 , 53, 7497-7500	5.8	23
207	Recent Progress in Calix[n]quinone (n=4, 6) and Pillar[5]quinone Electrodes for Secondary Rechargeable Batteries. <i>Batteries and Supercaps</i> , 2020 , 3, 476-487	5.6	23

206	Novel donor-acceptor polymers based on 7-perfluorophenyl-6H-[1,2,5]thiadiazole[3,4-g]benzimidazole for bulk heterojunction solar cells. <i>RSC Advances</i> , 2015 , 5, 50137-50145	3.7	23
205	Dye-sensitized solar cell goes solid. <i>Small</i> , 2012 , 8, 3711-3	11	23
204	The Role of Weak Molecular Dopants in Enhancing the Performance of Solution-Processed Organic Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800547	6.4	23
203	Unexpected Synthesis, Properties, and Nonvolatile Memory Device Application of Imidazole-Fused Azaacenes. <i>Journal of Organic Chemistry</i> , 2020 , 85, 101-107	4.2	23
202	Shooting flexible electronics. <i>Frontiers of Physics</i> , 2021 , 16, 1	3.7	23
201	Molecular-Barrier-Enhanced Aromatic Fluorophores in Cocrystals with Unity Quantum Efficiency. <i>Angewandte Chemie</i> , 2018 , 130, 1946-1950	3.6	22
200	Fusing N-heteroacene analogues into one "kinked" molecule with slipped two-dimensional ladder-like packing. <i>Chemical Science</i> , 2016 , 7, 1309-1313	9.4	22
199	Nonvolatile Tri-State Resistive Memory Behavior of a Stable Pyrene-Fused N-Heteroacene with Ten Linearly-Annulated Rings. <i>Chemistry - A European Journal</i> , 2018 , 24, 7845-7851	4.8	22
198	Solvent-Free Synthesis and Hydrophobization of Biobased Epoxy Coatings for Anti-Icing and Anticorrosion Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19131-19141	8.3	22
197	Quinoxaline-functionalized C60 derivatives as electron acceptors in organic solar cells. <i>RSC Advances</i> , 2014 , 4, 25291-25301	3.7	22
196	Preparation of Porous Three-Dimensional Quaternary Thioantimonates(III) ACuSb ₂ S ₄ (A = Rb, Cs) through a Surfactant-Thermal Method. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2604-8	4.5	22
195	In situ formation of new organic ligands to construct two novel self-charge-transfer Pb(II)-based frameworks. <i>CrystEngComm</i> , 2012 , 14, 75-78	3.3	22
194	Calix[6]quinone as high-performance cathode for lithium-ion battery. <i>Science China Materials</i> , 2020 , 63, 339-346	7.1	22
193	Green Grinding-Coassembly Engineering toward Intrinsically Luminescent Tetracene in Cocrystals. <i>ACS Nano</i> , 2020 , 14, 15962-15972	16.7	22
192	Metathesis in Metal-Organic Gels (MOGs): A Facile Strategy to Construct Robust Fluorescent Ln-MOG Sensors for Antibiotics and Explosives. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 186-193	2.3	22
191	Living and Conducting: Coating Individual Bacterial Cells with In Situ Formed Polypyrrole. <i>Angewandte Chemie</i> , 2017 , 129, 10652-10656	3.6	21
190	N-Heteroheptacenequinone and N-heterononacenequinone: synthesis, physical properties, crystal structures and photoelectrochemical behaviors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9877-9884	7.1	21
189	Synthesis and photovoltaic properties of novel C60 bisadducts based on benzo[2,1,3]-thiadiazole. <i>Tetrahedron</i> , 2014 , 70, 6217-6221	2.4	21

188	A stable synergistic microbial consortium for simultaneous azo dye removal and bioelectricity generation. <i>Bioresource Technology</i> , 2014 , 155, 71-6	11	21
187	Pure Organic Semiconductor-Based Photoelectrodes for Water Splitting. <i>Solar Rrl</i> , 2020 , 4, 1900395	7.1	21
186	Recent advances in the on-off approaches for on-demand liquid-phase hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 18164-18174	13	21
185	A 3D Haloplumbate Framework Constructed From Unprecedented Lindqvist-like Highly Coordinated [Pb Br] Nanoclusters with Temperature-Dependent Emission. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3185-3189	4.5	21
184	A graphene/carbon nanotube biofilm based solar-microbial fuel device for enhanced hydrogen generation. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 191-198	5.8	20
183	Solution-processed inorganic copper(I) thiocyanate as a hole injection layer for high-performance quantum dot-based light-emitting diodes. <i>RSC Advances</i> , 2017 , 7, 26322-26327	3.7	20
182	A photodegradable hexaaza-pentacene molecule for selective dispersion of large-diameter semiconducting carbon nanotubes. <i>Chemical Communications</i> , 2016 , 52, 7683-6	5.8	20
181	Larger Extended anti-/syn-arylenediimidazole polyaromatic compounds: synthesis, physical properties, self-assembly, and quasi-linear conjugation effect. <i>RSC Advances</i> , 2014 , 4, 17822-17831	3.7	20
180	Azaisoquinolinones: N positions tell you different stories in their optical properties. <i>Journal of Organic Chemistry</i> , 2013 , 78, 12760-8	4.2	20
179	Insights into the Control of Optoelectronic Properties in Mixed-Stacking Charge-Transfer Complexes. <i>Chemistry - A European Journal</i> , 2020 , 26, 3578-3585	4.8	20
178	Syntheses, crystal structures, and photocatalytic properties of two ammonium-directed Ag ⁺ complexes. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 954-959	6.8	19
177	Chemically Functionalized Conjugated Oligoelectrolyte Nanoparticles for Enhancement of Current Generation in Microbial Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14501-5	9.5	19
176	Ethylene Glycol and Ethanol Oxidation on Spinel Ni-Co Oxides in Alkaline. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H99-H104	3.9	19
175	Postchemistry of organic microrods: thermopolymerization in aqueous solution. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 801-3	4.5	19
174	Metal-Organic Frameworks Constructed from Iron-Series Elements for Supercapacitors. <i>Small Structures</i> , 2021 , 2, 100115	8.7	19
173	Two-Dimensional and Emission-Tunable: An Unusual Perovskite Constructed from Lindqvist-Type [PbBr] Nanoclusters. <i>Inorganic Chemistry</i> , 2018 , 57, 14035-14038	5.1	19
172	Recent advances on electrochemical methods in fabricating two-dimensional organic-ligand-containing frameworks. <i>SmartMat</i> , 2021 , 2, 299-325	22.8	19
171	Self-template synthesis of CdS/NiS heterostructured nanohybrids for efficient photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2017 , 46, 10650-10656	4.3	18

170	Theoretical investigation on two-dimensional non-traditional carbon materials employing three-membered ring and four-membered ring as building blocks. <i>Carbon</i> , 2015 , 95, 1033-1038	10.4	18
169	Recent Progress in the Usage of Phenazinediamine and Its Analogues as Building Blocks to Construct Large N-Heteroacenes. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 3375-3390	3.2	18
168	Cost-Effective Biomass Carbon/Calix[4]Quinone Composites for Lithium Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4164-4168	4.5	18
167	Visible-light-driven, tunable, photoelectrochemical performance of a series of metal-chelate, dye-organized, crystalline, CdS nanoclusters. <i>Chemistry - A European Journal</i> , 2014 , 20, 8297-301	4.8	18
166	Recent Progress of Organic-Inorganic Hybrid Perovskites in RRAM, Artificial Synapse, and Logic Operation. <i>Small Science</i> , 2100086		18
165	Crystalline In ₂ S ₃ framework for highly-performed lithium/sodium storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14198-14205	13	17
164	Synthesis, characterization, and physical properties of two novel nonheteroacene derivatives. <i>Tetrahedron Letters</i> , 2014 , 55, 282-285	2	17
163	Urocortin increased LPS-induced endothelial permeability by regulating the cadherin-catenin complex via corticotrophin-releasing hormone receptor 2. <i>Journal of Cellular Physiology</i> , 2013 , 228, 1295-303		17
162	The substituent group effect on the morphology and memory performance of phenazine derivatives. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3167-3172	7.1	17
161	A Rare (3,4)-Connected Chalcogenide Superlattice and Its Photoelectric Effect. <i>Angewandte Chemie</i> , 2008 , 120, 119-122	3.6	17
160	Improving the Fill Factor of Perovskite Solar Cells by Employing an Amine-tethered Diketopyrrolopyrrole-Based Polymer as the Dopant-free Hole Transport Layer. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9600-9609	6.1	17
159	Carbon material-based anodes in the microbial fuel cells 2021 , 3, 449-472		17
158	Surfactant 1-Hexadecyl-3-methylimidazolium Chloride Can Convert One-Dimensional Viologen Bromoplumbate into Zero-Dimensional. <i>Inorganic Chemistry</i> , 2017 , 56, 5498-5501	5.1	16
157	A Conjugated Copolymer of N-Phenyl-p-phenylenediamine and Pyrene as Promising Cathode for Rechargeable Lithium-Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2210-2214	4.5	16
156	Base-promoted intramolecular cyclization of N-alkyl, N-propargylic Enaminones for the synthesis of polysubstituted pyrroles. <i>RSC Advances</i> , 2016 , 6, 68454-68459	3.7	16
155	Dithiafulvenyl-Naphthalenediimide-based Small Molecules as efficient Non-Fullerene Electron-Transport Layer for Inverted Perovskite Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 2294-2301	3	16
154	Co-assembly of Zn(SPh) ₂ and organic linkers into helical and zig-zag polymer chains. <i>Journal of Solid State Chemistry</i> , 2012 , 191, 283-286	3.3	16
153	The design strategies and applications for organic multi-branched two-photon absorption chromophores with novel cores and branches: a recent review. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 1520-1536	7.1	16

- 152 A novel D π A small molecule with N-heteroacene as acceptor moiety for photovoltaic application. *Dyes and Pigments*, **2015**, 122, 231-237 4.6 15
- 151 The Difference Se Makes: A Bio-Inspired Dppf-Supported Nickel Selenolate Complex Boosts Dihydrogen Evolution with High Oxygen Tolerance. *Chemistry - A European Journal*, **2018**, 24, 8275-8280 4.8 15
- 150 Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. *Angewandte Chemie*, **2018**, 130, 13743-13747 3.6 15
- 149 {[M(NH₃)₆][Ag₄M₄Sn₃Se₁₃]}_n (M=Zn, Mn): Three-dimensional chalcogenide frameworks constructed from quaternary metal selenide clusters with two different transition metals. *Journal of Solid State Chemistry*, **2014**, 218, 146-150 3.3 15
- 148 Urocortin 1 improves renal function in rats with streptozotocin-induced diabetes by inhibiting overproduction of TGF-beta 1 and VEGF. *British Journal of Pharmacology*, **2009**, 157, 994-1003 8.6 15
- 147 Increased involvement of Panax notoginseng in the mechanism of decreased hepatotoxicity induced by Tripterygium wilfordii in rats. *Journal of Ethnopharmacology*, **2016**, 185, 243-54 5 15
- 146 A novel heteroacene 2-(perfluorophenyl)-1H-imidazo[4,5-b]phenazine for selective sensing of picric acid. *RSC Advances*, **2016**, 6, 37929-37932 3.7 15
- 145 NDI-based small molecules as electron transporting layers in solution-processed planar perovskite solar cells. *Journal of Solid State Chemistry*, **2019**, 270, 51-57 3.3 15
- 144 Superhydrophobic n-octadecylsiloxane (PODS)-functionalized PDA-PEI film as efficient water-resistant sensor for ppb-level hexanal detection. *Chemical Engineering Journal*, **2020**, 399, 125755 14.7 14
- 143 Influences of Structural Modification of Naphthalenediimides with Benzothiazole on Organic Field-Effect Transistor and Non-Fullerene Perovskite Solar Cell Characteristics. *ACS Applied Materials & Interfaces*, **2019**, 11, 44487-44500 9.5 14
- 142 A concise method to prepare linear 2,3-diazaoligoacene derivatives. *Tetrahedron Letters*, **2014**, 55, 4346-4349 14
- 141 A new V-shaped organic fluorescent compound integrated with crystallization-induced emission enhancement and intramolecular charge transfer. *Chemistry - an Asian Journal*, **2013**, 8, 2161-6 4.5 14
- 140 Tenside als Reaktionsmedien zur Synthese von kristallinen anorganischen Materialien. *Angewandte Chemie*, **2015**, 127, 11780-11788 3.6 14
- 139 Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. *Angewandte Chemie*, **2015**, 127, 8545-8549 3.6 14
- 138 Synthesis, Photophysical Properties and Two-Photon Absorption Study of Tetraazachrysene-based N-Heteroacenes. *Chemistry - an Asian Journal*, **2019**, 14, 1807-1813 4.5 14
- 137 Synthesis, Physical Properties and Memory Device Application of a Twelve-Ring Fused Twistheteroacene. *Chemistry - an Asian Journal*, **2017**, 12, 638-642 4.5 13
- 136 Fabrication and physical properties of self-assembled ultralong polymer/small molecule hybrid microstructures. *RSC Advances*, **2015**, 5, 25550-25554 3.7 13
- 135 Organic memory effect from donor-acceptor polymers based on 7-perfluorophenyl-6H-[1,2,5]thiadiazole[3,4-g]benzimidazole. *RSC Advances*, **2015**, 5, 77122-77129 3.7 13

134	Perylene Diimide Oligomer Nanoparticles with Ultrahigh Photothermal Conversion Efficiency for Cancer Theranostics.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1607-1615	4.1	13
133	Polymer-Assisted Single Crystal Engineering of Organic Semiconductors To Alter Electron Transport. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11837-11842	9.5	13
132	Facile surfactant-thermal syntheses and characterization of quaternary copper thioantimonates(III) ACu ₂ SbS ₃ (A=K, Rb, Cs). <i>Journal of Alloys and Compounds</i> , 2016 , 660, 171-177	5.7	13
131	Waterborne bio-based epoxy coatings for the corrosion protection of metallic substrates. <i>Progress in Organic Coatings</i> , 2019 , 136, 105265	4.8	13
130	Solar Cells: Improving Interfacial Charge Recombination in Planar Heterojunction Perovskite Photovoltaics with Small Molecule as Electron Transport Layer (Adv. Energy Mater. 18/2017). <i>Advanced Energy Materials</i> , 2017 , 7,	21.8	13
129	Molecular Aggregation of Naphthalene Diimide(NDI) Derivatives in Electron Transport Layers of Inverted Perovskite Solar Cells and Their Influence on the Device Performance. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 112-121	4.5	13
128	Hydrogen Bonding in Self-Healing Elastomers. <i>ACS Omega</i> , 2021 , 6, 9319-9333	3.9	13
127	A novel formula from mulberry leaf ameliorates diabetic nephropathy in rats via inhibiting the TGF- β pathway. <i>Food and Function</i> , 2015 , 6, 3307-15	6.1	12
126	Organic Donor-Acceptor Cocrystals for Multiferroic Applications. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 1252-1261	3	12
125	Facile Hydrazine-Hydrothermal Syntheses and Characterizations of Two Quaternary Thioarsenates(III): Two-Dimensional SrAg ₄ As ₂ S ₆ ·2H ₂ O and One-Dimensional BaAgAsS ₃ . <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1842-8	4.5	12
124	"Doping" pentacene with sp ² -phosphorus atoms: towards high performance ambipolar semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3173-8	3.6	12
123	A convenient base-mediated synthesis of 3-aryl-4-methyl (or benzyl)-2-methylthio furans from α -keto ketene dithioacetals and propargyl alcohols via domino coupling/annulations. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 8947-51	3.9	12
122	A concise method to prepare novel fused heteroaromatic diones through double Friedel-Crafts acylation. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 391-394	5.2	12
121	Recent progress in the usage of tetrabromo-substituted naphthalenetetracarboxylic dianhydride as a building block to construct organic semiconductors and their applications. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 3001-3026	5.2	12
120	Photostimulus-Responsive Large-Area Two-Dimensional Covalent Organic Framework Films. <i>Angewandte Chemie</i> , 2019 , 131, 16247-16250	3.6	11
119	Water-soluble conjugated polymers as active elements for organic nonvolatile memories. <i>RSC Advances</i> , 2015 , 5, 30542-30548	3.7	11
118	Synthesis, physical properties and ion recognition of a novel larger heteroacene with eleven linearly-fused rings and two different types of heteroatom. <i>RSC Advances</i> , 2015 , 5, 80307-80310	3.7	11
117	Sulfur Position in Pyrene-Based PTTIs Plays a Key Role To Determine the Performance of Perovskite Solar Cells When PTTIs Were Employed as Electron Transport Layers. <i>ACS Applied Energy Materials</i> , 2019 , 2, 5716-5723	6.1	11

116	An asymmetric naphthalimide derivative for n-channel organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26519-24	3.6	11
115	Generation of dual patterns of metal oxide nanomaterials based on seed-mediated selective growth. <i>Langmuir</i> , 2010 , 26, 4616-9	4	11
114	Our research progress in heteroaggregation and homoaggregation of organic π -conjugated systems. <i>Aggregate</i> , 2021 , 2, e35	22.9	11
113	Surfactant-thermal method to prepare two new cobalt metal-organic frameworks. <i>Journal of Solid State Chemistry</i> , 2015 , 232, 14-18	3.3	10
112	Facile Syntheses, Characterization, and Physical Properties of Sulfur-Decorated Pyran-Annulated Perylene Diimides. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 702-706	3	10
111	Adsorption Separation of R-22, R-32 and R-125 Fluorocarbons using 4A Molecular Sieve Zeolite. <i>ChemistrySelect</i> , 2016 , 1, 3718-3722	1.8	10
110	Solvothermal syntheses of three new one-dimensional ternary selenidostannates: [DBNH][M1/2Sn1/2Se2] (M=Mn, Zn, Hg). <i>Journal of Solid State Chemistry</i> , 2013 , 204, 86-90	3.3	10
109	Synthesis, Characterization, and Memory Performance of Two Phenazine/Triphenylamine-Based Organic Small Molecules through Donor-Acceptor Design. <i>Asian Journal of Organic Chemistry</i> , 2015 , 4, 646-651	3	10
108	Cationic quaternary chalcogenide nanobelts: Hg ₄ In ₂ Q ₃ Cl ₈ (Q = S, Se, Te). <i>RSC Advances</i> , 2012 , 2, 6401	3.7	10
107	A Concise Method for Synthesizing 1,4,8,11-Tetraaza-6,13-dioxapentacene Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 852-856	3	10
106	Low-Cost and Ultra-Strong p-Type Doping of Carbon Nanotube Films by a Piranha Mixture. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4182-4186	2.3	10
105	Multi-thiol-supported dicarboxylate-based metal-organic framework with excellent performance for lithium-ion battery. <i>Chemical Engineering Journal</i> , 2021 , 133234	14.7	10
104	Overview of electric-field-induced deposition technology in fabricating organic thin films. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 374-394	7.1	10
103	Selective thionation of naphtho[2,3-b]thiophene diimide: tuning of the optoelectronic properties and packing structure. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 704-710	5.2	9
102	Rational Control of Charge Transfer Excitons Toward High-Contrast Reversible Mechanoresponsive Luminescent Switching. <i>Angewandte Chemie</i> , 2020 , 132, 17733-17739	3.6	9
101	Structure engineering: extending the length of azaacene derivatives through quinone bridges. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3628-3633	7.1	9
100	Synthesis, Characterization, and Sensing Behavior of an N-heteropentacene. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 203-208	3	9
99	Nanoprobes: Inorganic/Organic Hybrid Nanoprobe for NIR-Excited Imaging of Hydrogen Sulfide in Cell Cultures and Inflammation in a Mouse Model (Small 23/2014). <i>Small</i> , 2014 , 10, 4802-4802	11	9

98	Syntheses, crystal structures, and properties of two new one-dimensional heterometallic selenides: [DBNH]4[M3Sn4Se11(Se2)2] (M = Cd, Hg). <i>Inorganic Chemistry Communication</i> , 2013 , 35, 337-341	3.1	9
97	Study on the Absorption Mechanism of Geniposide in the Chinese Formula Huang-Lian-Jie-Du-Tang in Rats. <i>AAPS PharmSciTech</i> , 2017 , 18, 1382-1392	3.9	9
96	Enhancement in hydrogen evolution using Au-TiO hollow spheres with microbial devices modified with conjugated oligoelectrolytes. <i>Npj Biofilms and Microbiomes</i> , 2015 , 1, 15020	8.2	9
95	One stone kills four birds: a novel diazaperinone 12H-pyrazino[2',3':3,4]pyrrolo[1,2-a]perimidin-12-one recognizes four different metal ions. <i>Tetrahedron Letters</i> , 2012 , 53, 6044-6047	2	9
94	Synthesis, Structure, Physical Properties, and Displacement Current Measurement of an n-Type Organic Semiconductor: 2:3,5:6-Bis(1,1-dicyanoethylene-2,2-dithiolate)-quinone. <i>Australian Journal of Chemistry</i> , 2012 , 65, 1674	1.2	9
93	Toward Highly Robust Nonvolatile Multilevel Memory by Fine Tuning of the Nanostructural Crystalline Solid-State Order. <i>Small</i> , 2021 , 17, e2100102	11	9
92	Arylamine-coumarin based donor-acceptor dyads: Unveiling the relationship between two-photon absorption cross-section and lifetime of singlet excited state intramolecular charge separation. <i>Dyes and Pigments</i> , 2019 , 165, 301-307	4.6	9
91	Design strategies for improving the crystallinity of covalent organic frameworks and conjugated polymers: a review. <i>Materials Horizons</i> , 2021 ,	14.4	9
90	Effect of a fluoroalkyl-functional curing agent on the wettability, thermal and mechanical properties of hydrophobic biobased epoxy coatings. <i>Surface and Coatings Technology</i> , 2019 , 362, 274-281	14	8
89	Soft-Etching Copper and Silver Electrodes for Significant Device Performance Improvement toward Facile, Cost-Effective, Bottom-Contacted, Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7919-27	9.5	8
88	Effect of Crystalline Microstructure Evolution on Thermoelectric Performance of PEDOT : PSS Films. <i>Energy Material Advances</i> , 2021 , 2021, 1-10	1	8
87	Aroyleneimidazophenazine: A Sensitive Probe for Detecting CN ⁻ Anion and its Solvatochromism Effect. <i>Journal of Heterocyclic Chemistry</i> , 2015 , 52, 1699-1704	1.9	7
86	Thiophene-Fused-Heteroaromatic Diones as Promising NIR Reflectors for Radiative Cooling. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6289-6293	16.4	7
85	Tuning optical properties of phenanthroline derivatives through varying excitation wavelength and pH values. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1539-1544	7.1	7
84	The new semiconducting magnetic charge transfer salt (BEDT-TTF) ₄ [H ₂ O] ₂ [Fe(C ₂ O ₄) ₃][C ₆ H ₅ NO ₂]: crystal structure and physical properties. <i>Synthetic Metals</i> , 1998 , 94, 161-166	3.6	7
83	The New Semiconducting Magnetic Charge Transfer Salt (BEDT-TTF) ₄ [H ₂ O] ₂ [Fe(C ₂ O ₄) ₃][C ₆ H ₅ NO ₂]: Crystal Structure and Physical Properties. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 319, 259-269		7
82	Synthesis, physical properties, and sensing behaviour of a novel naphthalenediimide derivative. <i>Dyes and Pigments</i> , 2016 , 131, 224-230	4.6	7
81	Recent Progress in Emerging Organic Semiconductors. <i>Advanced Materials</i> , 2022 , 34, 2108701	24	7

- 80 Et3N mediated synthesis of polysubstituted thiophenes from β -oxo ketene dithioacetals. *Tetrahedron Letters*, **2015**, 56, 6198-6201 2 6
- 79 Hierarchical Self-Assembly of Polyoxometalate-Based Organo Palladium(II) Metallomacrocycles via Electrostatic Interactions. *Inorganic Chemistry*, **2020**, 59, 2458-2463 5.1 6
- 78 Understanding the Electronic Structure of Larger Azaacenes through DFT Calculations. *Israel Journal of Chemistry*, **2014**, 54, 699-702 3.4 6
- 77 Synthesis, structure and physical properties of ET2BrBH2O. *Synthetic Metals*, **1998**, 98, 129-133 3.6 6
- 76 Realizing White Emission of Single-Layer Dual-Color Perovskite Light-Emitting Devices by Modulating the Electroluminescence Emission Spectra. *Journal of Physical Chemistry Letters*, **2021**, 12, 10197-10203 6.4 6
- 75 Tunable low-dimensional self-assembly of H-shaped bichromophoric perylene diimide Gemini in solution. *Nanoscale*, **2020**, 12, 3058-3067 7.7 6
- 74 Nonvolatile Flexible Memory Based on a Planar Zigzag-Type Nitrogen-Doped Picene. *Advanced Intelligent Systems*, **2020**, 2, 2000155 6 6
- 73 Inverted Solar Cells with Thermally Evaporated Selenium as an Active Layer. *ACS Applied Energy Materials*, **2020**, 3, 7345-7352 6.1 6
- 72 The incorporation of the ionization effect in organic semiconductors assists in triggering multilevel resistive memory behaviors. *Materials Chemistry Frontiers*, **2020**, 4, 3280-3289 7.8 6
- 71 Improving the hole transport performance of perovskite solar cells through adjusting the mobility of the as-synthesized conjugated polymer. *Journal of Materials Chemistry C*, **2021**, 9, 3421-3428 7.1 6
- 70 A Direct Method to Access Substituted Pyreno[4,5-c:9,10-c'] difuran and its Analogues. *Asian Journal of Organic Chemistry*, **2018**, 7, 2213-2217 3 5
- 69 *Anditalea andensis* ANESC-ST--An Alkaliphilic Halotolerant Bacterium Capable of Electricity Generation under Alkaline-Saline Conditions. *PLoS ONE*, **2015**, 10, e0132766 3.7 5
- 68 Two-Step Synthesis of a Novel Cd₁₇ Sulfide Cluster through Ionic Clusters. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2012**, 638, 2470-2472 1.3 5
- 67 Long-term high density lipoprotein infusion ameliorates metabolic phenotypes of diabetic db/db mice. *Diabetes/Metabolism Research and Reviews*, **2013**, 29, 130-8 7.5 5
- 66 U-Shaped Helical Azaarenes: Synthesis, Structures, and Properties. *Journal of Organic Chemistry*, **2020**, 85, 291-295 4.2 5
- 65 Mechanical analysis of flexible integrated energy storage devices under bending by the finite element method. *Science China Materials*, **2021**, 64, 2182-2192 7.1 5
- 64 Organic borate doped carbon nanotube for enhancement of thermoelectric performance. *Carbon*, **2021**, 182, 742-742 10.4 5
- 63 An asymmetric supercapacitor with an interpenetrating crystalline Fe-MOF as the positive electrode and its congenetic derivative as the negative electrode. *Inorganic Chemistry Frontiers*, 6.8 5

62	Non-Metal Ion Co-Insertion Chemistry in Aqueous Zn/MnO ₂ Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 7132-7136	3.6	5
61	Introducing Cations (Zn ²⁺ , Sn ²⁺ and Mg ²⁺) and Anions(Cl ⁻) to Tune Mn Photoluminescence Intensity of Doped Perovskite Nanocrystals(CsPbCl ₃). <i>ChemistrySelect</i> , 2018 , 3, 11986-11992	1.8	5
60	A universal high-efficient and reusable on-off switch for the on-demand hydrogen evolution. <i>Chemical Engineering Journal Advances</i> , 2021 , 7, 100128	3.6	5
59	Covalent organic framework as an efficient fluorescence-enhanced probe to detect aluminum ion. <i>Dyes and Pigments</i> , 2021 , 195, 109710	4.6	5
58	Synthesis, crystal structure and optical property of a novel metal chalcogenide: ZnHg ₃ Se ₂ Cl ₄ . <i>Journal of Solid State Chemistry</i> , 2015 , 230, 182-185	3.3	4
57	Bis(thieno[3,2-]thieno)cyclopentafluorene-Based Acceptor with Efficient and Comparable Photovoltaic Performance under Various Processing Conditions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49876-49885	9.5	4
56	Recent progress in 1,4-diazafluorene-cored optoelectronic materials: A review. <i>Dyes and Pigments</i> , 2021 , 191, 109365	4.6	4
55	Recent Progress in Polycyclic Aromatic Hydrocarbon-Based Organic Co-Crystals. <i>Chemical Record</i> , 2021 , 21, 116-132	6.6	4
54	A fibrous thiazolothiazole-bridged viologen polymer for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 18506-18514	13	4
53	synthesis of hierarchical NiCo-MOF@NiCo(OH) heterostructures for enhanced pseudocapacitor and oxygen evolution reaction performances. <i>Dalton Transactions</i> , 2021 , 50, 3060-3066	4.3	4
52	Two isomeric zeolite-like metal-organic frameworks with mechanically responsive luminescence emission and gas adsorption properties. <i>CrystEngComm</i> , 2021 , 23, 5753-5757	3.3	4
51	Double-effect of highly concentrated acetonitrile-based electrolyte in organic lithium-ion battery. <i>EcoMat</i> ,	9.4	4
50	Sulfur-modified chitosan derived N,S-co-doped carbon as a bifunctional material for adsorption and catalytic degradation sulfamethoxazole by persulfate. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127270	12.8	4
49	Recent advances on crystalline materials-based flexible memristors for data storage and neuromorphic applications. <i>Science China Materials</i> , 1	7.1	4
48	Carbonization of camphor sulfonic acid and melamine to N,S-co-doped carbon for sulfamethoxazole degradation via persulfate activation: Nonradical dominant pathway. <i>Separation and Purification Technology</i> , 2021 , 279, 119723	8.3	4
47	Multitopic ligand directed assembly of low-dimensional metal-chalcogenide organic frameworks. <i>Dalton Transactions</i> , 2017 , 46, 1481-1486	4.3	3
46	Synthesis, characterization and photophysical studies of a novel polycyclic diborane. <i>New Journal of Chemistry</i> , 2019 , 43, 564-568	3.6	3
45	Improved stability and efficiency of polymer-based selenium solar cells through the usage of tin(IV) oxide in the electron transport layers and the analysis of aging dynamics. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 14838-14845	3.6	3

44	Thiophene-Fused-Heteroaromatic Diones as Promising NIR Reflectors for Radiative Cooling. <i>Angewandte Chemie</i> , 2018 , 130, 6397-6401	3.6	3
43	Photooxidation of a Twisted Isoquinolinone. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 250-254	4.5	3
42	Mercouri G. Kanatzidis: Excellence and Innovations in Inorganic and Solid-State Chemistry. <i>Inorganic Chemistry</i> , 2017 , 56, 7582-7597	5.1	3
41	New bisdithiolene metal complex of the 2-thioxo-1,3-dithiole-4,5-dithiolato(dmit) ligand. Preparation, structure and physical properties. <i>Synthetic Metals</i> , 1998 , 98, 103-106	3.6	3
40	Surficial nanoporous carbon with high pyridinic/pyrrolic N-Doping from sp ³ /sp ² -N-rich azaacene dye for lithium storage. <i>RSC Advances</i> , 2017 , 7, 53770-53777	3.7	3
39	Novel core-modulated naphthalenediimides with CN-TFPA as electron transport layer for inverted perovskite solar cells. <i>Materials Research Bulletin</i> , 2020 , 132, 111009	5.1	3
38	Hydrophobization of fully bio-based epoxy polymers using water as solvent: Effect of additives. <i>European Polymer Journal</i> , 2020 , 140, 110043	5.2	3
37	Imide-Fused Diazatetracenes: Synthesis, Characterization, and Application in Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2020 , 26, 4220-4225	4.8	3
36	Recent progress on organic electrode materials for multivalent (Zn, Al, Mg, Ca) secondary batteries. <i>Batteries and Supercaps</i> ,	5.6	3
35	Electronic configuration in outset orbitals of doping elements plays as a key factor in tuning near infrared reflection of YMn _{0.9} M _{0.1} O ₃ (M = Cr, Mn, Fe, Co, Al, Ga and In). <i>Journal of Solid State Chemistry</i> , 2019 , 273, 81-84	3.3	2
34	Two-Photon Absorption of Butterfly-Shaped Carbonyl-Bridged Twistarene. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 579-583	3	2
33	Investigation of the thermoelectric properties of the PbTe-SrTe system. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1267, 1		2
32	Carbon tube-graphene heterostructure with different N-doping configurations induces an electrochemically active-active interface for efficient oxygen electrocatalysis. <i>Chemical Engineering Journal</i> , 2021 , 431, 133730	14.7	2
31	Construction of a cement fiber nanoarchitecture for a solution-processed and flexible film of a Bi ₂ Te ₃ /CNT hybrid toward low thermal conductivity and high thermoelectric performance		2
30	Further Study of Influence of on Intestinal Absorption Characteristics of Triptolide and Tripterine in Rats with. <i>Pharmacognosy Magazine</i> , 2018 , 14, 95-102	0.8	2
29	A co-crystallization strategy toward high-performance n-type organic semiconductors through charge transport switching from p-type planar azaacene derivatives. <i>Journal of Materials Chemistry C</i> ,	7.1	2
28	Perovskite-Based Nanocrystals: Perovskite-Based Nanocrystals: Synthesis and Applications beyond Solar Cells (Small Methods 6/2018). <i>Small Methods</i> , 2018 , 2, 1800035	12.8	2
27	Employing Equivalent Circuit Models to Study the Performance of Selenium-Based Solar Cells with Polymers as Hole Transport Layers. <i>Small</i> , 2021 , 17, e2101226	11	2

26	Butterfly-like Tetraazaacenequinodimethane Derivatives: Synthesis, Structure and Halochromic Properties. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2198-2202	4.5	1
25	Beyond Perovskite Solar Cells: Tellurium Iodide as a Promising Light-Absorbing Material for Solution-Processed Photovoltaic Application. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1505-1509	4.5	1
24	Reactive Oxygen Species: Rhodamine-Modified Upconversion Nanophosphors for Ratiometric Detection of Hypochlorous Acid in Aqueous Solution and Living Cells (Small 17/2014). <i>Small</i> , 2014 , 10, 3592-3592	11	1
23	Efficient persulfate activation catalyzed by pyridinic N, C-OH, and thiophene S on N,S-co-doped carbon for nonradical sulfamethoxazole degradation: Identification of active sites and mechanisms. <i>Separation and Purification Technology</i> , 2021 , 284, 120197	8.3	1
22	Nanostructured Polymers and Polymer/Inorganic Nanocomposites for Thermoelectric Applications. <i>Engineering Materials and Processes</i> , 2017 , 559-576		1
21	Frontispiece: Organic Materials as Electrodes in Potassium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2021 , 27,	4.8	1
20	Anthrathiadiazole Derivatives: Synthesis, Physical Properties and Two-photon Absorption. <i>Chemistry - A European Journal</i> , 2021 , 27, 10898-10902	4.8	1
19	Manipulating asymmetric photon transport through electrical control: a new strategy to construct optical diodes or isolators. <i>Science China Chemistry</i> , 2018 , 61, 1351-1352	7.9	1
18	Recent advances in pillar-layered metal-organic frameworks with interpenetrated and non-interpenetrated topologies as supercapacitor electrodes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> ,	1.3	1
17	Preparation of hierarchical hollow structures assembled from porous NiCo ₂ O ₄ nanosheets for diesel soot elimination. <i>EcoMat</i> , 2020 , 2, e12041	9.4	0
16	Synergistic microbial consortium for bioenergy generation from complex natural energy sources. <i>Scientific World Journal, The</i> , 2014 , 2014, 139653	2.2	0
15	Recent progress in pyrazinacenes containing nonbenzenoid rings: synthesis, properties and applications. <i>Journal of Materials Chemistry C</i> ,	7.1	0
14	Synthesis of Surface-Mounted Novel Nickel(II) Trimer-Based MOF on Nickel Oxide Hydroxide Heterostructures for Enhanced Methanol Electro-Oxidation.. <i>Frontiers in Chemistry</i> , 2021 , 9, 780688	5	0
13	Relationship Between Molecular Structure, Single crystal Packing and Self-Assembly Behavior: A Case Based on Pyrene Imide Derivatives. <i>Chemistry - A European Journal</i> , 2021 , 28, e202103808	4.8	0
12	Rechargeable Sodium-Ion Battery Based on Polyazaacene Analogue Anode. <i>Chemistry - A European Journal</i> , 2021 , 27, 16754-16759	4.8	0
11	Selenium-Based Solar Cell with Conjugated Polymers as Both Electron and Hole Transport Layers to Realize High Water Tolerance as well as Good Long-Term and Thermal Stability. <i>Solar Rrl</i> , 2020 , 4, 2000425	7.1	0
10	Simultaneous degradation of high concentration of citric acid coupled with electricity generation in dual-chamber microbial fuel cell. <i>Biochemical Engineering Journal</i> , 2021 , 173, 108095	4.2	0
9	Seeing Is Believing: A Wavy N-heteroarene with 20 Six-Membered Rings Linearly Annulated in a Row. <i>CCS Chemistry</i> , 1-14	7.2	0

- 8 Hetero-aggregation-induced Tunable Emission (HAITE) Through Cocrystal Strategy **2022**, 273-310 o
- 7 Mesoporous Copper Nanoparticle Networks Decorated by Graphite Layers for Surface-Enhanced Raman Scattering Detection of Trace Analytes. *ChemPlusChem*, **2017**, 82, 1290-1297 2.8
- 6 Preparation and In Vivo Antinociceptive Behavior of Four New 2-Amino-6-trifluoromethoxybenzothiazole Carboxylic Acid Derivatives. *ChemistrySelect*, **2019**, 4, 9993-9998^{1.8}
- 5 R&Ktitelbild: Living and Conducting: Coating Individual Bacterial Cells with In Situ Formed Polypyrrole (Angew. Chem. 35/2017). *Angewandte Chemie*, **2017**, 129, 10744-10744 3.6
- 4 Micro/Nanocrystal Conversion beyond Inorganic Nanostructures **2015**, 385-400
- 3 R&Ktitelbild: Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates (Angew. Chem. 29/2015). *Angewandte Chemie*, **2015**, 127, 8686-8686 3.6
- 2 Improvement of Electron Transport Properties of Polypyrrole Nano-films by In-situ Polymerization under High Pressure. *Polymer-Plastics Technology and Engineering*, **2014**, 53, 1598-1606
- 1 Synthesis, structure of a new acceptor TBA2S6 and preparation, physical properties of ET3S6. *Synthetic Metals*, **1999**, 105, 155-159 3.6