

Bo Zou

List of Publications by Year in Descending Order

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

387 papers	13,130 citations	59 h-index	91 g-index
401 ext. papers	15,283 ext. citations	6.5 avg, IF	6.67 L-index

#	Paper	IF	Citations
387	Pressure-Induced Local Excitation Promotion: New Route toward High-Efficiency Aggregate Emission Based on Multimer Excited State Modulation.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 13, 1290-1299	6.4	1
386	Multifunctional Ca ₉ NaZn ₁ -Mg (PO ₄) ₇ :Eu ²⁺ phosphor for full-spectrum lighting, optical thermometry and pressure sensor applications. <i>Chemical Engineering Journal</i> , 2022 , 431, 133805	14.7	2
385	Ultra-wideband phosphor Mg ₂ Gd ₈ (SiO ₄) ₆ O ₂ :Ce ³⁺ ,Mn ²⁺ : Energy transfer and pressure-driven color tuning for potential applications in LEDs and pressure sensors. <i>Chemical Engineering Journal</i> , 2022 , 427, 131897	14.7	3
384	Warm white-light emission harvesting with enhanced color rendering index in conventional alloyed Cd _{50.7} Se _{0.3} quantum dots. <i>Materials Research Letters</i> , 2022 , 10, 264-270	7.4	
383	Dynamic Full-Color Tuning of Organic Chromophore in a Multi-Stimuli-Responsive 2D Flexible MOF.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	8
382	Pressure-Induced Restricting Intermolecular Vibration of a Herringbone Dimer for Significantly Enhanced Multicolor Emission in Rotor-Free Truxene Crystals.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2493-2499	6.4	2
381	Stress-Dependent Multicolor Mechanochromism in Epoxy Thermosets Based on Rhodamine and Diaminodiphenylmethane Mechanophores. <i>Macromolecules</i> , 2022 , 55, 2310-2319	5.5	2
380	Self-trapped exciton emission and piezochromism in conventional 3D lead bromide perovskite nanocrystals under high pressure. <i>Chemical Science</i> , 2021 , 12, 14711-14717	9.4	4
379	Pressure-induced emission enhancement by restricting chemical bond vibration. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 14578-14582	7.1	4
378	Fascinating Supramolecular Assembly through Noncovalent Interactions Involving Anions in Organic Ionic Crystals. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 22346-22353	3.8	
377	Pressure-Induced Emission toward Harvesting Cold White Light from Warm White Light. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10082-10088	16.4	23
376	Stability and band gap engineering of silica-confined lead halide perovskite nanocrystals under high pressure. <i>Geoscience Frontiers</i> , 2021 , 12, 957-963	6	0
375	Pressure-Induced Emission toward Harvesting Cold White Light from Warm White Light. <i>Angewandte Chemie</i> , 2021 , 133, 10170-10176	3.6	2
374	Isotropic pressure promoted collective self-healing response in granular molecular crystals. <i>Science China Materials</i> , 2021 , 64, 2086-2092	7.1	1
373	Harvesting Cool Daylight in Hybrid Organic-Inorganic Halides Microtubules through the Reservation of Pressure-Induced Emission. <i>Advanced Materials</i> , 2021 , 33, e2100323	24	12
372	The Influence of Filler Size and Crosslinking Degree of Polymers on Mullins Effect in Filled NR/BR Composites. <i>Polymers</i> , 2021 , 13,	4.5	3
371	Robust Yellow-Violet Pigments Tuned by Site-Selective Manganese Chromophores. <i>Inorganic Chemistry</i> , 2021 , 60, 11579-11590	5.1	1

370	Luminogens Based on Cyano-Substituted Anthracene Isomers: Different Molecular Packing and Distinct Piezochromic Properties. <i>Advanced Optical Materials</i> , 2021 , 9, 2100813	8.1	1
369	Aggregation-induced emission and pressure-dependent fluorescence of aryl cyclooctatetrathiophenes. <i>Dyes and Pigments</i> , 2021 , 184, 108803	4.6	3
368	Insight into the structure-property relationship of two-dimensional lead-free halide perovskite Cs ₃ Bi ₂ Br ₉ nanocrystals under pressure. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1410-1415	6.8	4
367	New-phase retention in colloidal core/shell nanocrystals pressure-modulated phase engineering. <i>Chemical Science</i> , 2021 , 12, 6580-6587	9.4	3
366	A synergy between the push-pull electronic effect and twisted conformation for high-contrast mechanochromic AIEgens. <i>Materials Horizons</i> , 2021 , 8, 630-638	14.4	17
365	Pressure-induced excimer formation and fluorescence enhancement of an anthracene derivative. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 934-938	7.1	6
364	Pressure-induced phosphorescence enhancement and piezochromism of a carbazole-based cyclic trinuclear Cu(I) complex. <i>Chemical Science</i> , 2021 , 12, 4425-4431	9.4	11
363	Mechanochromic and Single-Molecule Magnetic Properties of a Rhodamine 6G Dy(III) Complex. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 1368-1374	4	7
362	Pressure-Triggered Blue Emission of Zero-Dimensional Organic Bismuth Bromide Perovskite. <i>Advanced Science</i> , 2021 , 8, 2004853	13.6	12
361	Harvesting High-Quality White-Light Emitting and Remarkable Emission Enhancement in One-Dimensional Halide Perovskites Upon Compression. <i>JACS Au</i> , 2021 , 1, 459-466		2
360	Pressure-Induced Piezochromism and Structure Transitions in Lead-Free Layered Cs ₄ MnBi ₂ Cl ₁₂ Quadruple Perovskite. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7513-7518	6.1	1
359	Realization of Distinct Mechano- and Piezochromic Behaviors Alkoxy Chain Length-Modulated Phosphorescent Properties and Multidimensional Self-Assembly Structures of Dinuclear Platinum(II) Complexes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10659-10667	16.4	8
358	Manipulating Emission Enhancement and Piezochromism in Two-Dimensional Organic-Inorganic Halide Perovskite [(HO)(CH ₂) ₂ NH ₃] ₂ PbI ₄ by High Pressure. <i>CCS Chemistry</i> , 2021 , 3, 2203-2210	7.2	18
357	Pressure-Driven Reverse Intersystem Crossing: New Path toward Bright Deep-Blue Emission of Lead-Free Halide Double Perovskites. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15176-15184	16.4	11
356	Effective Internal and External Modulation of Nontraditional Intrinsic Luminescence. <i>Small</i> , 2020 , 16, e2005035	11	20
355	Pressure Effects on the Electronic and Optical Properties in Low-Dimensional Metal Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4693-4701	6.4	25
354	Pressure-Driven Eu ²⁺ -Doped BaLi ₂ Al ₂ Si ₂ N ₆ : A New Color Tunable Narrow-Band Emission Phosphor for Spectroscopy and Pressure Sensor Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2001384	15.6	21
353	Förster Resonance Energy Transfer: An Efficient Way to Develop Stimulus-Responsive Room-Temperature Phosphorescence Materials and Their Applications. <i>Matter</i> , 2020 , 3, 449-463	12.7	116

352	Pressure tuned photoluminescence and band gap in two-dimensional layered g-CN: the effect of interlayer interactions. <i>Nanoscale</i> , 2020 , 12, 12300-12307	7.7	8
351	Pressure-Induced Emission Enhancements of Mn ²⁺ -Doped Cesium Lead Chloride Perovskite Nanocrystals 2020 , 2, 381-388		20
350	Pressure-Induced Multidimensional Assembly and Sintering of CuInS ₂ Nanoparticles into Lamellar Nanosheets with Band Gap Narrowing. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2438-2446	5.6	5
349	A highly emissive AIE-active luminophore exhibiting deep-red to near-infrared piezochromism and high-quality lasing. <i>Chemical Science</i> , 2020 , 11, 4007-4015	9.4	29
348	Tunable Color Temperatures and Emission Enhancement in 1D Halide Perovskites under High Pressure. <i>Advanced Optical Materials</i> , 2020 , 8, 2000713	8.1	20
347	Highly Bright Fluorescence from Dispersed Dimers: Deep-Red Polymorphs and Wide-Range Piezochromism. <i>Advanced Optical Materials</i> , 2020 , 8, 1901836	8.1	21
346	Partially Controlling Molecular Packing to Achieve Off-On Mechanochromism through Ingenious Molecular Design. <i>Advanced Optical Materials</i> , 2020 , 8, 1902036	8.1	23
345	Negative Linear Compressibility Response to Pressure in Multitype Wine-Rack Metal-Organic Frameworks 2020 , 2, 291-295		9
344	Emissive Platinum(II) Cages with Reverse Fluorescence Resonance Energy Transfer for Multiple Sensing. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2592-2600	16.4	91
343	Selected Negative Linear Compressibilities in the Metal-Organic Framework of [Cu(4,4'-bpy)(HO)]SiF ₆ . <i>Inorganic Chemistry</i> , 2020 , 59, 1715-1722	5.1	10
342	Pressure-Induced Structural Evolution and Bandgap Optimization of Lead-Free Halide Double Perovskite (NH)SeBr. <i>Advanced Science</i> , 2020 , 7, 1902900	13.6	25
341	Pressure-Tuned Core/Shell Configuration Transition of Shell Thickness-Dependent CdSe/CdS Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 920-926	6.4	6
340	Extraordinarily Persistent Zero Linear Compressibility in Metal-Organic Framework MIL-122(In) 2020 , 2, 519-523		6
339	Whether or Not Emission of Cs ₄ PbBr ₆ Nanocrystals: High-Pressure Experimental Evidence. <i>CCS Chemistry</i> , 2020 , 2, 71-80	7.2	32
338	New phenomena of photo-luminescence and persistent luminescence of a Eu,Tb codoped CaBaPO phosphor under high hydrostatic pressure. <i>Dalton Transactions</i> , 2020 , 49, 8056-8059	4.3	8
337	Piezochromic luminescence in all-inorganic core-shell InP/ZnS nanocrystals via pressure-modulated strain engineering. <i>Nanoscale Horizons</i> , 2020 , 5, 1233-1239	10.8	6
336	Deep-red fluorescence from isolated dimers: a highly bright excimer and imaging. <i>Chemical Science</i> , 2020 , 11, 6020-6025	9.4	22
335	Mechanism of Different Piezoresponsive Luminescence of 2,3,4,5-Tetraphenylthiophene and 2,3,4,5-Tetraphenylfuran: A Strategy for Designing Pressure-Induced Emission Enhancement Materials. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 678-682	6.4	15

334	Au icosahedrons as efficient electrocatalyst for glucose-based biofuel cells by strain engineering. <i>Materials Letters</i> , 2020 , 263, 127220	3.3	0
333	Pressure-Induced Blue-Shifted and Enhanced Emission: A Cooperative Effect between Aggregation-Induced Emission and Energy-Transfer Suppression. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1153-1158	16.4	85
332	A polymorphic fluorescent material with strong solid state emission and multi-stimuli-responsive properties. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 176-181	7.8	43
331	Force-induced 1540 nm luminescence: Role of piezotronic effect in energy transfer process for mechanoluminescence. <i>Nano Energy</i> , 2020 , 69, 104413	17.1	19
330	Photoactivated Fluorescence Enhancement in F,N-Doped Carbon Dots with Piezochromic Behavior. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9986-9991	16.4	55
329	Photoactivated Fluorescence Enhancement in F,N-Doped Carbon Dots with Piezochromic Behavior. <i>Angewandte Chemie</i> , 2020 , 132, 10072-10077	3.6	7
328	Design of Layer-Structured KAlF ₄ :Yb/Er for Pressure-Enhanced Upconversion Luminescence. <i>Advanced Optical Materials</i> , 2020 , 8, 1901031	8.1	8
327	Stimuli-Responsive Luminescent Properties of Tetraphenylethene-Based Strontium and Cobalt Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2020 , 132, 19884-19889	3.6	7
326	Thinking about the Development of High-Pressure Experimental Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7297-7306	6.4	15
325	Emerging Functional Materials under High Pressure toward Enhanced Properties 2020 , 2, 1233-1239		16
324	Tuning the optical properties of N-aryl benzothiadiazole via Cu(II)-catalyzed intramolecular C-H amination: the impact of the molecular structure on aggregation and solid state luminescence. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 3853-3861	5.2	4
323	Stimuli-Responsive Luminescent Properties of Tetraphenylethene-Based Strontium and Cobalt Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19716-19721	16.4	34
322	Structural regulation and optical behavior of three-dimensional metal halide perovskites under pressure. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12755-12767	7.1	9
321	A difluoroboron β -diketonate based thermometer with temperature-dependent emission wavelength. <i>Chemical Communications</i> , 2020 , 56, 6269-6272	5.8	12
320	Pressure-Induced Emission (PIE) and Phase Transition of a Two-dimensional Halide Double Perovskite (BA) ₄ AgBiBr ₈ (BA=CH ₃ (CH ₂) ₃ NH ₃ ⁺). <i>Angewandte Chemie</i> , 2019 , 131, 15393-15397	3.6	31
319	Pressure-Induced Emission (PIE) and Phase Transition of a Two-dimensional Halide Double Perovskite (BA) ₄ AgBiBr ₈ (BA=CH ₃ (CH ₂) ₃ NH ₃ ⁺). <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15249-15253	16.4	59
318	Pressure-Induced Emission Enhancement and Multicolor Emission for 1,2,3,4-Tetraphenyl-1,3-cyclopentadiene: Controlled Structure Evolution. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5557-5562	6.4	16
317	Recent advances in organic pressure-responsive luminescent materials. <i>Chinese Chemical Letters</i> , 2019 , 30, 1883-1894	8.1	23

316	An AIE fluorescent switch with multi-stimuli responsive properties and applications for quantitatively detecting pH value, sulfite anion and hydrostatic pressure. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1052-1061	7.8	28
315	Bismuth Halide Perovskite-Like Materials: Current Opportunities and Challenges. <i>ChemSusChem</i> , 2019 , 12, 1612-1630	8.3	55
314	Structural stability and optical properties of two-dimensional perovskite-like CsPbBr microplates in response to pressure. <i>Nanoscale</i> , 2019 , 11, 820-825	7.7	24
313	Pressure-Induced Emission Enhancements and Ripening of Zinc Blende Cadmium Selenide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 15339-15344	3.8	8
312	Pressure-triggered aggregation-induced emission enhancement in red emissive amorphous carbon dots. <i>Nanoscale Horizons</i> , 2019 , 4, 1227-1231	10.8	60
311	Ultrafine Co2P nanorods wrapped by graphene enable a long cycle life performance for a hybrid potassium-ion capacitor. <i>Nanoscale Horizons</i> , 2019 , 4, 1394-1401	10.8	59
310	A rational design of hollow nanocages Ag@CuO-TiO2 for enhanced acetone sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2019 , 295, 70-78	8.5	24
309	Palladium structure engineering induced by electrochemical H intercalation boosts hydrogen evolution catalysis. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14876-14881	13	14
308	Tuning Optical and Electronic Properties in Low-Toxicity Organic-Inorganic Hybrid (CHNH)BiI under High Pressure. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1676-1683	6.4	20
307	Visible responses under high pressure in crystals: phenolphthalein and its analogues with adjustable ring-opening threshold pressures. <i>Chemical Communications</i> , 2019 , 55, 4663-4666	5.8	9
306	White Photoluminescent TiC MXene Quantum Dots with Two-Photon Fluorescence. <i>Advanced Science</i> , 2019 , 6, 1801470	13.6	92
305	A Dual-Stimuli-Responsive Coordination Network Featuring Reversible Wide-Range Luminescence-Tuning Behavior. <i>Angewandte Chemie</i> , 2019 , 131, 5670-5674	3.6	17
304	Pressure-Induced Emission (PIE) of One-Dimensional Organic Tin Bromide Perovskites. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6504-6508	16.4	83
303	Effect of the Inherent Structure of Rh Nanocrystals on the Hydriding Behavior under Pressure. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 774-779	6.4	3
302	Emission enhancement and bandgap retention of a two-dimensional mixed cation lead halide perovskite under high pressure. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6357-6362	13	21
301	Pressure-induced structural transition and band gap evolution of double perovskite CsAgBiBr nanocrystals. <i>Nanoscale</i> , 2019 , 11, 17004-17009	7.7	22
300	Spontaneous proton transfer in a series of amphoteric molecules under hydrostatic pressure. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17696-17702	3.6	5
299	High-Pressure Band-Gap Engineering and Metallization in the Perovskite Derivative Cs Sb I. <i>ChemSusChem</i> , 2019 , 12, 3971-3976	8.3	12

298	Photoacid-Spiropyran Exhibits Different Mechanofluorochromism before and after Modification of Tetraphenylethene under Grinding and Hydrostatic Pressure. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 25366-25372	3.8	9
297	Pressure-Induced Emission Enhancement and Piezochromism of Triphenylethylene. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6763-6767	3.8	23
296	Insights into supramolecular-interaction-regulated piezochromic carbonized polymer dots. <i>Nanoscale</i> , 2019 , 11, 5072-5079	7.7	21
295	A Dual-Stimuli-Responsive Coordination Network Featuring Reversible Wide-Range Luminescence-Tuning Behavior. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5614-5618	16.4	91
294	Tuning Emission and Electron-Phonon Coupling in Lead-Free Halide Double Perovskite Cs ₂ AgBiCl ₆ under Pressure. <i>ACS Energy Letters</i> , 2019 , 4, 2975-2982	20.1	46
293	Advances in the application of high pressure in carbon dots. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2617-2626	7.8	14
292	Surface related intrinsic luminescence from carbon nanodots: solvent dependent piezochromism. <i>Nanoscale Horizons</i> , 2019 , 4, 175-181	10.8	31
291	High Pressure Structural and Optical Properties of Two-Dimensional Hybrid Halide Perovskite (CHNH)BiBr. <i>Inorganic Chemistry</i> , 2019 , 58, 1621-1626	5.1	29
290	Pressure-Induced Broadband Emission of 2D Organic-Inorganic Hybrid Perovskite (CHCHNH)PbBr. <i>Advanced Science</i> , 2019 , 6, 1801628	13.6	60
289	Ag ion kinetically tailored surface and interface engineering of Cu ₂ O nanocrystals to modulate the Li-ion battery performance. <i>Journal of Alloys and Compounds</i> , 2019 , 774, 668-676	5.7	5
288	Pressure induced the largest emission wavelength change in a single crystal. <i>Dyes and Pigments</i> , 2019 , 162, 136-144	4.6	20
287	Controlled Synthesis, Formation Mechanism, and Applications of Colloidal Ag ₈ SnS ₆ Nanoparticles and Ag ₈ SnS ₆ /Ag ₂ S Heterostructured Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 6566-6572	2.8	5
286	Pressure-Tailored Band Gap Engineering and Structure Evolution of Cubic Cesium Lead Iodide Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9332-9338	3.8	49
285	Moving to Aqueous Binder: A Valid Approach to Achieving High-Rate Capability and Long-Term Durability for Sodium-Ion Battery. <i>Advanced Science</i> , 2018 , 5, 1700768	13.6	55
284	Multi-Stimuli-Responsive Fluorescence Switching from a Pyridine-Functionalized Tetraphenylethene AIEgen. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5819-5827	9.5	116
283	Mechanofluorochromic Carbon Nanodots: Controllable Pressure-Triggered Blue- and Red-Shifted Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1893-1897	16.4	69
282	Mechanofluorochromic Carbon Nanodots: Controllable Pressure-Triggered Blue- and Red-Shifted Photoluminescence. <i>Angewandte Chemie</i> , 2018 , 130, 1911-1915	3.6	4
281	High pressure, a protocol to identify the weak dihydrogen bonds: experimental evidence of C≡N⋯H-B interaction. <i>Science China Chemistry</i> , 2018 , 61, 276-280	7.9	15

280	Ratiometric Piezochromism of Electrospun Polymer Films: Intermolecular Interactions for Enhanced Sensitivity and Color Difference. <i>ChemPlusChem</i> , 2018 , 83, 132-139	2.8	9
279	Near-Ultraviolet to Near-Infrared Fluorescent Nitrogen-Doped Carbon Dots with Two-Photon and Piezochromic Luminescence. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27920-27927	9.5	43
278	Near Zero Area Compressibility in a Perovskite-Like Metal-Organic Frameworks [C(NH)][Cd(HCOO)]. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23481-23484	9.5	12
277	Pressure-Induced Emission Enhancement, Band-Gap Narrowing, and Metallization of Halide Perovskite Cs ₃ Bi ₂ I ₉ . <i>Angewandte Chemie</i> , 2018 , 130, 11383-11387	3.6	9
276	Pressure-Induced Emission Enhancement, Band-Gap Narrowing, and Metallization of Halide Perovskite Cs Bi I. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11213-11217	16.4	110
275	Fast Potassium Storage in Hierarchical Ca _{0.5} Ti ₂ (PO ₄) ₃ @C Microspheres Enabling High-Performance Potassium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2018 , 28, 1802684	15.6	116
274	Piezochromic luminescence of AIE-active molecular co-crystals: tunable multiple hydrogen bonding and molecular packing. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9660-9666	7.1	34
273	Pressure-Induced Structural Evolution and Optical Properties of Metal-Halide Perovskite CsPbCl ₃ . <i>Journal of Physical Chemistry C</i> , 2018 , 122, 15220-15225	3.8	37
272	A novel lithium difluoro(oxalate) borate and lithium hexafluoride phosphate dual-salt electrolyte for Li-excess layered cathode material. <i>Journal of Alloys and Compounds</i> , 2018 , 736, 136-142	5.7	15
271	Phosphine-free engineering toward the synthesis of metal telluride nanocrystals: the role of a Te precursor coordinated at room temperature. <i>Nanoscale</i> , 2018 , 10, 21928-21935	7.7	5
270	Piezochromic Luminescence of Donor-Acceptor Cocrystals: Distinct Responses to Anisotropic Grinding and Isotropic Compression. <i>Angewandte Chemie</i> , 2018 , 130, 15896-15900	3.6	21
269	Pressure-Induced Large Emission Enhancements of Cadmium Selenide Nanocrystals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13970-13975	16.4	39
268	Piezochromic Luminescence of Donor-Acceptor Cocrystals: Distinct Responses to Anisotropic Grinding and Isotropic Compression. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15670-15674	16.4	108
267	Solid-State TICT-Emissive Cruciform: Aggregation-Enhanced Emission, Deep-Red to Near-Infrared Piezochromism and Imaging In Vivo. <i>Advanced Optical Materials</i> , 2018 , 6, 1800956	8.1	32
266	Pressure-induced emission of cesium lead halide perovskite nanocrystals. <i>Nature Communications</i> , 2018 , 9, 4506	17.4	134
265	Monodisperse π -Stacking Anthracene Dimer under Pressure: Unique Fluorescence Behaviors and Experimental Determination of Interplanar Distance at Excimer Equilibrium Geometry. <i>Advanced Optical Materials</i> , 2018 , 6, 1800085	8.1	35
264	The Influence of Molecular Packing on the Emissive Behavior of Pyrene Derivatives: Mechanoluminescence and Mechanochromism. <i>Advanced Optical Materials</i> , 2018 , 6, 1800198	8.1	85
263	Synchrotron Radiation Applications on High-Pressure Research 2018 , 437-491		1

262	Kinetically controlled synthesis of nanoporous Au and its enhanced electrocatalytic activity for glucose-based biofuel cells. <i>Nanoscale</i> , 2017 , 9, 2514-2520	7.7	19
261	High-Pressure Study of Perovskite-Like Organometal Halide: Band-Gap Narrowing and Structural Evolution of [NH-(CH ₃)-NH]CuCl. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 500-506	6.4	46
260	Excellent photocatalytic performance of few-layer MoS ₂ /graphene hybrids. <i>Journal of Alloys and Compounds</i> , 2017 , 700, 12-17	5.7	36
259	Structural Tuning and Piezoluminescence Phenomenon in Trithiocyanuric Acid. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 1870-1875	3.8	6
258	Pressure Tuning Dual Fluorescence of 4-(N,N-Dimethylamino)benzonitrile. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 4909-4916	3.8	19
257	Compressed few-layer black phosphorus nanosheets from semiconducting to metallic transition with the highest symmetry. <i>Nanoscale</i> , 2017 , 9, 10741-10749	7.7	13
256	High-Pressure Effects on Hofmann-Type Clathrates: Promoted Release and Restricted Insertion of Guest Molecules. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2745-2750	6.4	8
255	Solution synthesis of conveyor-like MnSe nanostructured architectures with an unusual core/shell magnetic structure. <i>CrystEngComm</i> , 2017 , 19, 3331-3337	3.3	3
254	Dual fluorescence polymorphs: Wide-range emission from blue to red regulated by TICT and their dynamic electron state behavior under external pressure. <i>Dyes and Pigments</i> , 2017 , 145, 294-300	4.6	15
253	From Two, to Three, to Multi-Color Switches: Developing AIEgen-Based Mechanochromic Materials. <i>ChemNanoMat</i> , 2017 , 3, 569-574	3.5	9
252	Piezochromic Carbon Dots with Two-photon Fluorescence. <i>Angewandte Chemie</i> , 2017 , 129, 6283-6287	3.6	51
251	Piezochromic Carbon Dots with Two-photon Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6187-6191	16.4	179
250	Improved Lithium-Ion and Sodium-Ion Storage Properties from Few-Layered WS Nanosheets Embedded in a Mesoporous CMK-3 Matrix. <i>Chemistry - A European Journal</i> , 2017 , 23, 7074-7080	4.8	61
249	Negative Linear Compressibility Due to Layer Sliding in a Layered Metal-Organic Framework. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 1436-1441	6.4	25
248	Unravelling a solution-based formation of single-crystalline kinked wurtzite nanowires: The case of MnSe. <i>Nano Research</i> , 2017 , 10, 2311-2320	10	11
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