

List of Publications by Citations

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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	Piezochromic luminescence based on the molecular aggregation of 9,10-bis((E)-2-(pyrid-2-yl)vinyl)anthracene. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10782-5	16.4	679
386	Remarkable Turn-On and Color-Tuned Piezochromic Luminescence: Mechanically Switching Intramolecular Charge Transfer in Molecular Crystals. <i>Advanced Functional Materials</i> , 2015 , 25, 4005-4010	15.6	240
385	Luminescent chromism of boron diketonate crystals: distinct responses to different stresses. <i>Advanced Materials</i> , 2015 , 27, 2918-22	24	195
384	Size-dependent composition and molar extinction coefficient of PbSe semiconductor nanocrystals. <i>ACS Nano</i> , 2009 , 3, 1518-24	16.7	183
383	Piezochromic Carbon Dots with Two-photon Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6187-6191	16.4	179
382	Multi-stimuli responsive fluorescence switching: the reversible piezochromism and protonation effect of a divinylanthracene derivative. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7554	7.1	175
381	Controlled Synthesis of CeO ₂ /Graphene Nanocomposites with Highly Enhanced Optical and Catalytic Properties. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11741-11745	3.8	173
380	Multicolored-fluorescence switching of ICT-type organic solids with clear color difference: mechanically controlled excited state. <i>Chemistry - A European Journal</i> , 2015 , 21, 2474-9	4.8	164
379	Dynamic behavior of molecular switches in crystal under pressure and its reflection on tactile sensing. <i>Journal of the American Chemical Society</i> , 2015 , 137, 931-9	16.4	156
378	Pressure Effects on Structure and Optical Properties in Cesium Lead Bromide Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10087-10094	16.4	155
377	Molecular Engineering of Mechanochromic Materials by Programmed C-H Arylation: Making a Counterpoint in the Chromism Trend. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12803-12812	16.4	152
376	Adsorption of Rhodamine-B from aqueous solution using treated rice husk-based activated carbon. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 446, 1-7	5.1	151
375	Facile fabrication of faceted copper nanocrystals with high catalytic activity for p-nitrophenol reduction. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1632-1638	13	141
374	Pressure-induced emission of cesium lead halide perovskite nanocrystals. <i>Nature Communications</i> , 2018 , 9, 4506	17.4	134
373	Piezochromism and hydrochromism through electron transfer: new stories for viologen materials. <i>Chemical Science</i> , 2017 , 8, 2758-2768	9.4	132
372	Pressure-Induced Structural and Optical Properties of Organometal Halide Perovskite-Based Formamidinium Lead Bromide. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2556-62	6.4	129
371	High-Pressure Band-Gap Engineering in Lead-Free Cs AgBiBr Double Perovskite. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15969-15973	16.4	122

370	Luminescence Properties of Compressed Tetraphenylethene: The Role of Intermolecular Interactions. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2968-73	6.4	121
369	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
368	Multi-Stimuli-Responsive Fluorescence Switching from a Pyridine-Functionalized Tetraphenylethene AIEgen. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5819-5827	9.5	116
367	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
366	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
365	Piezochromic Luminescence Based on the Molecular Aggregation of 9,10-Bis((E)-2-(pyrid-2-yl)vinyl)anthracene. <i>Angewandte Chemie</i> , 2012 , 124, 10940-10943	3.6	110
364	Facile synthesis of iv-vi SnS nanocrystals with shape and size control: nanoparticles, nanoflowers and amorphous nanosheets. <i>Nanoscale</i> , 2010 , 2, 1699-703	7.7	110
363	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
362	Unique piezochromic fluorescence behavior of organic crystal of carbazole-substituted CNDSB. <i>Chemical Communications</i> , 2016 , 52, 3836-9	5.8	107
361	Development of microstructure CO sensor based on hierarchically porous ZnO nanosheet thin films. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 897-902	8.5	100
360	Facile synthesis of tin oxide nanoflowers: a potential high-capacity lithium-ion-storage material. <i>Langmuir</i> , 2009 , 25, 1818-21	4	99
359	Syntheses, Characterizations, and Applications in Lithium Ion Batteries of Hierarchical SnO Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14140-14144	3.8	94
358	Pressure-Induced Structural Evolution and Band Gap Shifts of Organometal Halide Perovskite-Based Methylammonium Lead Chloride. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 5273-5279	6.4	94
357	White Photoluminescent TiC MXene Quantum Dots with Two-Photon Fluorescence. <i>Advanced Science</i> , 2019 , 6, 1801470	13.6	92
356	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
355	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
354	Controlled synthesis of hollow Cu ₂ Te nanocrystals based on the Kirkendall effect and their enhanced CO gas-sensing properties. <i>Small</i> , 2013 , 9, 793-9	11	87
353	Synthesis of Cu ₂ S nanocages with enhanced electrocatalytic activity for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19669-19673	13	85

- 352 Pressure-Induced Blue-Shifted and Enhanced Emission: A Cooperative Effect between Aggregation-Induced Emission and Energy-Transfer Suppression. *Journal of the American Chemical Society*, **2020**, 142, 1153-1158 16.4 85
- 351 The Influence of Molecular Packing on the Emissive Behavior of Pyrene Derivatives: Mechanoluminescence and Mechanochromism. *Advanced Optical Materials*, **2018**, 6, 1800198 8.1 85
- 350 Enhanced ammonia sensing performances of Pd-sensitized flowerlike ZnO nanostructure. *Sensors and Actuators B: Chemical*, **2011**, 156, 395-400 8.5 84
- 349 Pressure-Induced Emission (PIE) of One-Dimensional Organic Tin Bromide Perovskites. *Journal of the American Chemical Society*, **2019**, 141, 6504-6508 16.4 83
- 348 High-pressure x-ray diffraction and Raman spectra study of indium oxide. *Journal of Applied Physics*, **2008**, 104, 083506 2.5 80
- 347 A one-step green route to synthesize copper nanocrystals and their applications in catalysis and surface enhanced Raman scattering. *Nanoscale*, **2014**, 6, 5343-50 7.7 75
- 346 Rehybridization of Nitrogen Atom Induced Photoluminescence Enhancement under Pressure Stimulation. *Advanced Functional Materials*, **2017**, 27, 1602276 15.6 74
- 345 Raman signature to identify the structural transition of single-wall carbon nanotubes under high pressure. *Physical Review B*, **2008**, 78, 3.3 71
- 344 Polymorphic crystals and their luminescence switching of triphenylacrylonitrile derivatives upon solvent vapour, mechanical, and thermal stimuli. *Journal of Materials Chemistry C*, **2015**, 3, 3049-3054 7.1 70
- 343 Mechano-fluorochromic Carbon Nanodots: Controllable Pressure-Triggered Blue- and Red-Shifted Photoluminescence. *Angewandte Chemie - International Edition*, **2018**, 57, 1893-1897 16.4 69
- 342 Dynamic light-scattering analysis of the electrostatic interaction of hexahistidine-tagged cytochrome P450 enzyme with semiconductor quantum dots. *ChemPhysChem*, **2006**, 7, 1112-8 3.2 69
- 341 High-Performance Li(Li_{0.18}Ni_{0.15}Co_{0.15}Mn_{0.52})O₂@Li₄M₅O₁₂ Heterostructured Cathode Material Coated with a Lithium Borate Oxide Glass Layer. *Chemistry of Materials*, **2015**, 27, 5745-5754 9.6 68
- 340 Pressure-Induced Emission Enhancement of Carbazole: The Restriction of Intramolecular Vibration. *Journal of Physical Chemistry Letters*, **2017**, 8, 4191-4196 6.4 66
- 339 Visible mechanochromic responses of spiropyrans in crystals via pressure-induced isomerization. *Chemical Communications*, **2015**, 51, 9320-3 5.8 62
- 338 Recent advances in IV-VI semiconductor nanocrystals: synthesis, mechanism, and applications. *RSC Advances*, **2013**, 3, 8104 3.7 62
- 337 Shape and size controlled synthesis and properties of colloidal IV-VI SnSe nanocrystals. *CrystEngComm*, **2011**, 13, 4161 3.3 62
- 336 Stability study of PbSe semiconductor nanocrystals over concentration, size, atmosphere, and light exposure. *Langmuir*, **2009**, 25, 12320-4 4 62
- 335 Improved Lithium-Ion and Sodium-Ion Storage Properties from Few-Layered WS₂ Nanosheets Embedded in a Mesoporous CMK-3 Matrix. *Chemistry - A European Journal*, **2017**, 23, 7074-7080 4.8 61

334	Synthesis and Mechanism of Particle- and Flower-Shaped ZnSe Nanocrystals: Green Chemical Approaches toward Green Nanoproducts. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7567-7571	3.8	61
333	Pressure-triggered aggregation-induced emission enhancement in red emissive amorphous carbon dots. <i>Nanoscale Horizons</i> , 2019 , 4, 1227-1231	10.8	60
332	Pressure-Induced Broadband Emission of 2D Organic-Inorganic Hybrid Perovskite (CH ₃ CHNH)PbBr. <i>Advanced Science</i> , 2019 , 6, 1801628	13.6	60
331	Pressure-Induced Emission (PIE) and Phase Transition of a Two-dimensional Halide Double Perovskite (BA) AgBiBr (BA=CH ₃ (CH ₃)NH ₂). <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15249-15253	16.4	59
330	Ultrafine Co ₂ P 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
329	Pressure-Induced Amorphization and Polyamorphism in One-Dimensional Single-Crystal TiO ₂ Nanomaterials. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 309-314	6.4	59
328	Pressure-Induced Fluorescence Enhancement of the BSA-Protected Gold Nanoclusters and the Corresponding Conformational Changes of Protein. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 639-647	3.8	58
327	Synthesis of high-density nanocavities inside TiO ₂ -B nanoribbons and their enhanced electrochemical lithium storage properties. <i>Inorganic Chemistry</i> , 2008 , 47, 9870-3	5.1	56
326	Bismuth Halide Perovskite-Like Materials: Current Opportunities and Challenges. <i>ChemSusChem</i> , 2019 , 12, 1612-1630	8.3	55
325	A Protocol to Fabricate Nanostructured New Phase: B31-Type MnS Synthesized under High Pressure. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10297-303	16.4	55
324	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
323	Studies on intrinsic phase-dependent electrochemical properties of MnS nanocrystals as anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2017 , 338, 9-16	8.9	55
322	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
321	Water's phase diagram: From the notion of thermodynamics to hydrogen-bond cooperativity. <i>Progress in Solid State Chemistry</i> , 2015 , 43, 71-81	8	54
320	Size-dependent temperature effects on PbSe nanocrystals. <i>Langmuir</i> , 2010 , 26, 11435-40	4	52
319	Piezochromic Carbon Dots with Two-photon Fluorescence. <i>Angewandte Chemie</i> , 2017 , 129, 6283-6287	3.6	51
318	Fluorescence mutation and structural evolution of a π -conjugated molecular crystal during phase transition. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1257-1262	7.1	50
317	In situ X-ray observation of phase transitions in Mg ₂ Si under high pressure. <i>Solid State Communications</i> , 2009 , 149, 689-692	1.6	50

316	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
315	Spiropyran-based multi-colored switching tuned by pressure and mechanical grinding. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7584-7588	7.1	49
314	Synthesis of polyhedron hollow structure Cu ₂ O and their gas-sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 135-140	8.5	49
313	Pressure-induced phase transition in hydrogen-bonded supramolecular adduct formed by cyanuric acid and melamine. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 14719-24	3.4	49
312	Mediating relaxation and polarization of hydrogen-bonds in water by NaCl salting and heating. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24666-71	3.6	48
311	Solution synthesis of copper selenide nanocrystals and their electrical transport properties. <i>CrystEngComm</i> , 2012 , 14, 2139	3.3	47
310	Rapid and selective H ₂ S detection of hierarchical ZnSnO ₃ nanocages. <i>Sensors and Actuators B: Chemical</i> , 2011 , 159, 245-250	8.5	47
309	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
308	Stability of hydrogen-bonded supramolecular architecture under high pressure conditions: pressure-induced amorphization in melamine-boric acid adduct. <i>Langmuir</i> , 2009 , 25, 4787-91	4	46
307	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
306	High Pressure Structural Investigation of Benzoic Acid: Raman Spectroscopy and X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 14758-14766	3.8	44
305	Assembly of hierarchical ZnSnO ₃ hollow microspheres from ultra-thin nanorods and the enhanced ethanol-sensing performances. <i>Sensors and Actuators B: Chemical</i> , 2014 , 190, 370-377	8.5	44
304	One-step solution synthesis of bismuth sulfide (Bi ₂ S ₃) with various hierarchical architectures and their photoresponse properties. <i>RSC Advances</i> , 2012 , 2, 234-240	3.7	44
303	Temperature dependence of band gap in CdSe nanocrystals. <i>Chemical Physics Letters</i> , 2007 , 439, 65-68	2.5	44
302	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
301	SnO ₂ /polypyrrole hollow spheres with improved cycle stability as lithium-ion battery anodes. <i>Journal of Alloys and Compounds</i> , 2017 , 691, 34-39	5.7	43
300	Formation of PbSe/CdSe Core/Shell Nanocrystals for Stable Near-Infrared High Photoluminescence Emission. <i>Nanoscale Research Letters</i> , 2010 , 5, 1279-83	5	43
299	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

298	Synthesis and the improved sensing properties of hierarchical SnO ₂ hollow nanosheets with mesoporous and multilayered interiors. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 354-361	8.5	42
297	Low-temperature synthesis of porous hollow structured Cu ₂ O for photocatalytic activity and gas sensor application. <i>RSC Advances</i> , 2013 , 3, 18651	3.7	42
296	Synthesis and high pressure induced amorphization of C ₆₀ nanosheets. <i>Applied Physics Letters</i> , 2007 , 91, 103112	3.4	42
295	Copper-Doped Titanium Dioxide Bronze Nanowires with Superior High Rate Capability for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7957-65	9.5	41
294	Negative Linear Compressibility in Organic Mineral Ammonium Oxalate Monohydrate with Hydrogen Bonding Wine-Rack Motifs. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2755-60	6.4	40
293	Compression icing of room-temperature NaX solutions (X = F, Cl, Br, I). <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14046-54	3.6	40
292	Crystal Shape Tailoring in Perovskite Structure Rare-Earth Ferrites REFeO ₃ (RE = La, Pr, Sm, Dy, Er, and Y) and Shape-Dependent Magnetic Properties of YFeO ₃ . <i>Crystal Growth and Design</i> , 2016 , 16, 6522-6530	3.5	40
291	Synthesis of Ni ^{II} Nanocages with Improved Electrocatalytic Performance for the Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9787-9792	8.3	39
290	The facile realization of luminescence based on one yellow emissive four-coordinate organoboron material. <i>Chemical Communications</i> , 2015 , 51, 7701-4	5.8	39
289	Pressure-induced phase transition in N-H···O hydrogen-bonded molecular crystal oxamide. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 9796-802	3.4	39
288	Polymorphism and Formation Mechanism of Nanobipods in Manganese Sulfide Nanocrystals Induced by Temperature or Pressure. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 3292-3297	3.8	39
287	Synthesis of ZnS nanocrystals with controllable structure and morphology and their photoluminescence property. <i>Nanotechnology</i> , 2007 , 18, 255602	3.4	39
286	Pressure-Induced Large Emission Enhancements of Cadmium Selenide Nanocrystals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13970-13975	16.4	39
285	Multi-Functional Surface Engineering for Li-Excess Layered Cathode Material Targeting Excellent Electrochemical and Thermal Safety Properties. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3308-18	9.5	38
284	Pressure-Induced Irreversible Phase Transition in the Energetic Material Urea Nitrate: Combined Raman Scattering and X-ray Diffraction Study. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 152-159	3.8	38
283	Morphology-Tuned Phase Transitions of Anatase TiO ₂ Nanowires under High Pressure. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8516-8521	3.8	38
282	Ligand Effects on Synthesis and Post-Synthetic Stability of PbSe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16160-16167	3.8	38
281	Ratiometric pressure sensors based on cyano-substituted oligo(p-phenylene vinylene) derivatives in the hybridized local and charge-transfer excited state. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9954-9960	7.1	38

- 280 Pressure-Induced Structural Evolution and Optical Properties of Metal-Halide Perovskite CsPbCl₃. *Journal of Physical Chemistry C*, **2018**, 122, 15220-15225 3.8 37
- 279 One-pot synthesis of uniform Cu₂O@TiO₂ hollow nanocages with highly stable lithium storage properties. *Journal of Materials Chemistry A*, **2017**, 5, 18577-18584 13 37
- 278 Exploration of the pyrazinamide polymorphism at high pressure. *Journal of Physical Chemistry B*, **2012**, 116, 14441-50 3.4 37
- 277 Synthesis of narrow band gap SnTe nanocrystals: nanoparticles and single crystal nanowires via oriented attachment. *CrystEngComm*, **2010**, 12, 4275 3.3 37
- 276 Rotational dynamics of confined C₆₀ from near-infrared Raman studies under high pressure. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 22135-8 11.5 37
- 275 Excellent photocatalytic performance of few-layer MoS₂/graphene hybrids. *Journal of Alloys and Compounds*, **2017**, 700, 12-17 5.7 36
- 274 Large Negative Linear Compressibility in InH(BDC) From Framework Hinging. *Journal of the American Chemical Society*, **2017**, 139, 15648-15651 16.4 36
- 273 Synthesis, structure and magnetic properties of graphite carbon encapsulated Fe₃C nanoparticles for applications as adsorbents. *RSC Advances*, **2015**, 5, 27857-27861 3.7 36
- 272 Monodisperse π -Stacking Anthracene Dimer under Pressure: Unique Fluorescence Behaviors and Experimental Determination of Interplanar Distance at Excimer Equilibrium Geometry. *Advanced Optical Materials*, **2018**, 6, 1800085 8.1 35
- 271 Piezochromic luminescence of AIE-active molecular co-crystals: tunable multiple hydrogen bonding and molecular packing. *Journal of Materials Chemistry C*, **2018**, 6, 9660-9666 7.1 34
- 270 Pressure-Induced Phase Transition in NH₄⁺ Hydrogen-Bonded Molecular Crystal Biurea: Combined Raman Scattering and X-ray Diffraction Study. *Journal of Physical Chemistry C*, **2014**, 118, 15162-15168 3.8 34
- 269 High pressure transformation of graphene nanoplates: A Raman study. *Chemical Physics Letters*, **2013**, 585, 101-106 2.5 34
- 268 Stimuli-Responsive Luminescent Properties of Tetraphenylethene-Based Strontium and Cobalt Metal-Organic Frameworks. *Angewandte Chemie - International Edition*, **2020**, 59, 19716-19721 16.4 34
- 267 Synthesis and high-pressure transformation of metastable wurtzite-structured CuGaS₂ nanocrystals. *Nanoscale*, **2012**, 4, 7443-7 7.7 32
- 266 Facile hydrothermal synthesis of CeO₂ nanosheets with high reactive exposure surface. *Journal of Alloys and Compounds*, **2011**, 509, 6720-6724 5.7 32
- 265 Ethylene glycol-mediated synthesis of nanoporous anatase TiO₂ rods and rutile TiO₂ self-assembly chrysanthemums. *Journal of Alloys and Compounds*, **2009**, 471, 477-480 5.7 32
- 264 Self-Assembly of Crosslinked DNA-Gold Nanoparticle Layers Visualized by In-Situ Scanning Force Microscopy. *Advanced Materials*, **2005**, 17, 1643-1647 24 32
- 263 Confined supramolecular nanostructures of mesogen-bearing amphiphiles. *Chemical Communications*, **2002**, 1008-9 5.8 32

262	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
261	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
260	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
259	Exploration of the Hydrogen-Bonded Energetic Material Carbohydrazide at High Pressures. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22960-22967	3.8	31
258	Unexpected room-temperature ferromagnetism in nanostructured Bi ₂ Te ₃ . <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 729-33	16.4	31
257	Effect of Grain Size on Pressure-Induced Structural Transition in Mn ₃ O ₄ . <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2165-2171	3.8	31
256	Surface related intrinsic luminescence from carbon nanodots: solvent dependent piezochromism. <i>Nanoscale Horizons</i> , 2019 , 4, 175-181	10.8	31
255	Controllable formation of multi-layered SnO@FeO sandwich cubes as a high-performance anode for Li-ion batteries. <i>Nanoscale</i> , 2017 , 9, 17576-17584	7.7	30
254	Size-controlled synthesis of bifunctional magnetic and ultraviolet optical rock-salt MnS nanocube superlattices. <i>Langmuir</i> , 2012 , 28, 17811-6	4	30
253	Pressure-induced phase transition in hydrogen-bonded supramolecular structure: guanidinium nitrate. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 6765-9	3.4	30
252	One-step synthesis of high-performance porous carbon from corn starch for supercapacitor. <i>Materials Letters</i> , 2016 , 184, 88-91	3.3	30
251	Enhanced Sensitivity and Piezochromic Contrast through Single-Direction Extension of Molecular Structure. <i>Chemistry - A European Journal</i> , 2017 , 23, 773-777	4.8	29
250	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
249	Tuning the Mechanochromic Luminescence of BOPIM Complexes by Rational Introduction of Aromatic Substituents. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27009-27017	3.8	29
248	Large Volume Collapse during Pressure-Induced Phase Transition in Lithium Amide. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9744-9749	3.8	29
247	High-Pressure Studies on CeO ₂ Nano-Octahedrons with a (111)-Terminated Surface. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4546-4551	3.8	29
246	Facile synthesis of magic-sized CdSe and CdTe nanocrystals with tunable existence periods. <i>Nanotechnology</i> , 2007 , 18, 405603	3.4	29
245	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

- 244 An AIE fluorescent switch with multi-stimuli responsive properties and applications for quantitatively detecting pH value, sulfite anion and hydrostatic pressure. *Materials Chemistry Frontiers*, **2019**, 3, 1052-1061 7.8 28
- 243 High-Pressure-Induced Polymorphic Transformation of Maleic Hydrazide. *Journal of Physical Chemistry C*, **2014**, 118, 8122-8127 3.8 28
- 242 Pressure-induced transformation and superhard phase in fullerenes: The effect of solvent intercalation. *Applied Physics Letters*, **2013**, 103, 071913 3.4 28
- 241 Structural phase transition and photoluminescence properties of YF₃ and YF₃:Eu³⁺ under high pressure. *Physical Chemistry Chemical Physics*, **2013**, 15, 19925-31 3.6 28
- 240 A new carbon phase constructed by long-range ordered carbon clusters from compressing C70 solvates. *Advanced Materials*, **2014**, 26, 7257-63 24 27
- 239 Direct Zircon-to-Scheelite Structural Transformation in YPO₄ and YPO₄:Eu³⁺ Nanoparticles Under High Pressure. *Journal of Physical Chemistry C*, **2012**, 116, 24837-24844 3.8 27
- 238 Pressure-induced isosymmetric phase transition in sulfamic acid: a combined Raman and x-ray diffraction study. *Journal of Chemical Physics*, **2013**, 138, 214505 3.9 27
- 237 Beneficial effect of tributylphosphine to the photoluminescence of PbSe and PbSe/CdSe nanocrystals. *Journal of Nanoparticle Research*, **2011**, 13, 3721-3729 2.3 27
- 236 Pressure-induced phase transitions in ammonium squarate: a supramolecular structure based on hydrogen-bonding and π -stacking interactions. *Journal of Physical Chemistry B*, **2011**, 115, 8981-8 3.4 27
- 235 Pressure-Induced Phase Transitions of C70 Nanotubes. *Journal of Physical Chemistry C*, **2011**, 115, 8918-8922 3.2 27
- 234 Stimulated Raman scattering from ice-VIII by shock-induced compression in liquid water. *Physical Review B*, **2012**, 85, 3.3 27
- 233 High-Pressure Band-Gap Engineering in Lead-Free Cs₂AgBiBr₆ Double Perovskite. *Angewandte Chemie*, **2017**, 129, 16185-16189 3.6 26
- 232 Improved Electrochemical Properties of Spinel LiNi_{0.5}Mn_{1.5}O₄ Cathode Materials by Surface Modification with RuO₂ Nanoparticles. *Electrochimica Acta*, **2015**, 152, 240-248 6.7 26
- 231 Shape-selective synthesis and optical performance of ceria nanocrystal/graphene hybrid composites. *CrystEngComm*, **2013**, 15, 3739 3.3 26
- 230 Effect of high pressure on the typical supramolecular structure of guanidinium methanesulfonate. *Journal of Physical Chemistry B*, **2012**, 116, 3092-8 3.4 26
- 229 Reversible polymerization in doped fullerides under pressure: the case of C₆₀(Fe(C₅H₅)₂)₂. *Journal of Physical Chemistry B*, **2012**, 116, 2643-50 3.4 26
- 228 Synthesis, optical properties and growth process of In₂S₃ nanoparticles. *Journal of Colloid and Interface Science*, **2010**, 347, 172-6 9.3 26
- 227 In Situ Scanning Tunneling Microscopic Investigation of the Two-Dimensional Ordering of Different Alkyl Chain-Substituted Quinacridone Derivatives at Highly Oriented Pyrolytic Graphite/Solution Interface. *Langmuir*, **2003**, 19, 678-681 4 26

226	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
225	Pressure-Induced Phase Transformations of Zircon-Type LaVO ₄ Nanorods. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8364-8372	3.8	25
224	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
223	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
222	Pressure-induced isostructural phase transition of a metal-organic framework Co ₂ (4,4'-bpy) ₃ (NO ₃) ₄ ·xH ₂ O. <i>CrystEngComm</i> , 2014 , 16, 4084-4087	3.3	25
221	Pressure-Induced Reversible Phase Transformation in Nanostructured Bi ₂ Te ₃ with Reduced Transition Pressure. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 3843-3848	3.8	25
220	A facile approach to PbS nanoflowers and their shape-tunable single crystal hollow nanostructures: Morphology evolution. <i>CrystEngComm</i> , 2011 , 13, 199-203	3.3	25
219	Simple and complex lattices of N-alkyl fatty acid amides on a highly oriented pyrolytic graphite surface. <i>Langmuir</i> , 2005 , 21, 1364-70	4	25
218	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
217	A rational design of hollow nanocages Ag@CuO-TiO ₂ for enhanced acetone sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2019 , 295, 70-78	8.5	24
216	Pressure accelerated 1,3-dipolar cycloaddition of azide and alkyne groups in crystals. <i>Chemical Communications</i> , 2013 , 49, 10130-2	5.8	24
215	Recent advances in organic pressure-responsive luminescent materials. <i>Chinese Chemical Letters</i> , 2019 , 30, 1883-1894	8.1	23
214	Partially Controlling Molecular Packing to Achieve Off-On Mechanochromism through Ingenious Molecular Design. <i>Advanced Optical Materials</i> , 2020 , 8, 1902036	8.1	23
213	Structural Phase Transition and Photoluminescence Properties of YF ₃ :Eu ³⁺ Nanocrystals under High Pressure. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22739-22745	3.8	23
212	Morphology-controlled synthesis of anisotropic wurtzite MnSe nanocrystals: optical and magnetic properties. <i>CrystEngComm</i> , 2012 , 14, 6916	3.3	23
211	Solvothermal synthesis of monodisperse self-assembly CeO ₂ nanospheres and their enhanced blue-shifting in ultraviolet absorption. <i>Journal of Alloys and Compounds</i> , 2010 , 503, 519-524	5.7	23
210	Raman spectroscopy study of carbon nanotube peapods excited by near-IR laser under high pressure. <i>Physical Review B</i> , 2007 , 76,	3.3	23
209	Stabilizing bolaform amphiphile interfacial assemblies by introducing mesogenic groups. <i>Chemistry - A European Journal</i> , 2003 , 9, 1876-80	4.8	23

208	Ex Situ SFM Study of 2-D Aggregate Geometry of Azobenzene Containing Bolaform Amphiphiles after Adsorption at the Mica/Aqueous Solution Interface. <i>Langmuir</i> , 2001 , 17, 3682-3688	4	23
207	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
206	Pressure-Induced Emission Enhancement and Piezochromism of Triphenylethylene. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6763-6767	3.8	23
205	Green synthesis of 3D SnO ₂ /graphene aerogels and their application in lithium-ion batteries. <i>RSC Advances</i> , 2015 , 5, 39746-39751	3.7	22
204	Pressure-induced structural transition and band gap evolution of double perovskite CsAgBiBr nanocrystals. <i>Nanoscale</i> , 2019 , 11, 17004-17009	7.7	22
203	Facile assembly of size- and shape-tunable IV-VI nanocrystals into superlattices. <i>Langmuir</i> , 2010 , 26, 19129-35	29	22
202	Deep-red fluorescence from isolated dimers: a highly bright excimer and imaging. <i>Chemical Science</i> , 2020 , 11, 6020-6025	9.4	22
201	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
200	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
199	Highly Bright Fluorescence from Dispersed Dimers: Deep-Red Polymorphs and Wide-Range Piezochromism. <i>Advanced Optical Materials</i> , 2020 , 8, 1901836	8.1	21
198	p-Aminobenzoic acid polymorphs under high pressures. <i>RSC Advances</i> , 2014 , 4, 15534-15541	3.7	21
197	Co S /Co as a High-Performance Anode for Sodium-Ion Batteries with an Ether-Based Electrolyte. <i>ChemSusChem</i> , 2017 , 10, 4778-4785	8.3	21
196	Facile synthesis of magnetic metal (Mn, Fe, Co, and Ni) oxides nanocrystals via a cation-exchange reaction. <i>Nanoscale</i> , 2011 , 3, 741-5	7.7	21
195	Pressure-induced phase transition in guanidinium perchlorate: a supramolecular structure directed by hydrogen bonding and electrostatic interactions. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11816-22	23.4	21
194	Self-assembled monolayers of new dendron-thiols: manipulation of the patterned surface and wetting properties. <i>Chemical Communications</i> , 2001 , 1906-7	5.8	21
193	Stable Entrapment of Small Molecules Bearing Sulfonate Groups in Multilayer Assemblies. <i>Langmuir</i> , 2001 , 17, 4035-4041	4	21
192	Insights into supramolecular-interaction-regulated piezochromic carbonized polymer dots. <i>Nanoscale</i> , 2019 , 11, 5072-5079	7.7	21
191	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

190	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
189	Effective Internal and External Modulation of Nontraditional Intrinsic Luminescence. <i>Small</i> , 2020 , 16, e2005035	11	20
188	Pressure-Induced Emission Enhancements of Mn ²⁺ -Doped Cesium Lead Chloride Perovskite Nanocrystals 2020 , 2, 381-388		20
187	Tunable Color Temperatures and Emission Enhancement in 1D Halide Perovskites under High Pressure. <i>Advanced Optical Materials</i> , 2020 , 8, 2000713	8.1	20
186	The Study of Structural Transition of ZnS Nanorods under High Pressure. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 357-361	3.8	20
185	Structural properties and halogen bonds of cyanuric chloride under high pressure. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 4639-44	3.4	20
184	Synthesis and Electrochemical Properties of TiO ₂ @B[protected] Core@Shell Nanoribbons. <i>Crystal Growth and Design</i> , 2008 , 8, 1812-1814	3.5	20
183	Nano-size stripes of self-assembled bolaform amphiphiles. <i>Chemical Communications</i> , 2000 , 1273-1274	5.8	20
182	Pressure and temperature-dependent Raman spectra of MoS ₂ film. <i>Applied Physics Letters</i> , 2016 , 109, 242101	3.4	20
181	Pressure induced the largest emission wavelength change in a single crystal. <i>Dyes and Pigments</i> , 2019 , 162, 136-144	4.6	20
180	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
179	Pressure Tuning Dual Fluorescence of 4-(N,N-Dimethylamino)benzonitrile. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 4909-4916	3.8	19
178	Structural phase transition of BaZrO ₃ under high pressure. <i>Journal of Applied Physics</i> , 2014 , 115, 124907	2.5	19
177	High-Pressure Studies of Abnormal Guest-Dependent Expansion in {[Cu(CO ₃) ₂](CH ₆ N ₃) ₂] _n . <i>Journal of Physical Chemistry C</i> , 2014 , 118, 5848-5853	3.8	19
176	Pressure-induced structural evolution, optical and electronic transitions of nontoxic organometal halide perovskite-based methylammonium tin chloride. <i>Applied Physics Letters</i> , 2017 , 111, 233901	3.4	19
175	Room-temperature NaI/H ₂ O compression icing: solute-solute interactions. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26645-26650	3.6	19
174	Pressure-Driven Topological Transformations of Iodine Confined in One-Dimensional Channels. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 25052-25058	3.8	19
173	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

172	Synthesis of dendritic iridium nanostructures based on the oriented attachment mechanism and their enhanced CO and ammonia catalytic activities. <i>Nanoscale</i> , 2014 , 6, 15059-65	7.7	18
171	Calcium with the $\sqrt{2}\times\sqrt{2}$ structure at high pressure and low temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16459-62	11.5	18
170	Manipulating Emission Enhancement and Piezochromism in Two-Dimensional Organic-Inorganic Halide Perovskite $[(\text{HO})(\text{CH}_2)_2\text{NH}_3]^+ 2\text{PbI}_4$ by High Pressure. <i>CCS Chemistry</i> , 2021 , 3, 2203-2210	7.2	18
169	A Dual-Stimuli-Responsive Coordination Network Featuring Reversible Wide-Range Luminescence-Tuning Behavior. <i>Angewandte Chemie</i> , 2019 , 131, 5670-5674	3.6	17
168	Stability and phase transition of nanoporous rutile TiO_2 under high pressure. <i>RSC Advances</i> , 2012 , 2, 9052	3.7	17
167	One-step synthesis, growth mechanism and photoluminescence properties of hollow GeO_2 walnuts. <i>CrystEngComm</i> , 2011 , 13, 979-984	3.3	17
166	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
165	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
164	A feasible approach to synthesize Cu_2O microcrystals and their enhanced non-enzymatic sensor performance. <i>RSC Advances</i> , 2015 , 5, 59099-59105	3.7	16
163	High-Pressure-Induced Reversible Phase Transition in Sulfamide. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18640-18645	3.8	16
162	Emerging Functional Materials under High Pressure toward Enhanced Properties 2020 , 2, 1233-1239		16
161	Cu Nanowires with Clean Surfaces: Synthesis and Enhanced Electrocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26886-26894	9.5	16
160	Hydrothermal preparation of perovskite structures DyCrO and HoCrO . <i>Dalton Transactions</i> , 2016 , 45, 17593-17597	4.3	16
159	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
158	High pressure, a protocol to identify the weak dihydrogen bonds: experimental evidence of $\text{C}\cdots\text{H}\cdots\text{H}\cdots\text{B}$ interaction. <i>Science China Chemistry</i> , 2018 , 61, 276-280	7.9	15
157	Pressure-induced phase transitions of TiO_2 nanosheets with high reactive {001} facets. <i>RSC Advances</i> , 2014 , 4, 12873-12877	3.7	15
156	In situ Raman and photoluminescence study on pressure-induced phase transition in C_{60} nanotubes. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 737-740	2.3	15
155	High-pressure Raman study on CeO_2 nanospheres self-assembled by 5 nm CeO_2 nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 1154-1157	1.3	15

154	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
153	Thinking about the Development of High-Pressure Experimental Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7297-7306	6.4	15
152	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
151	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
150	The elastic properties and piezochromism of polyimide films under high pressure. <i>Polymer</i> , 2016 , 90, 1-8	3.9	14
149	Pressure-Induced Amorphization in Gd ₂ O ₃ /Er ³⁺ Nanorods. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8503-8508	3.8	14
148	NaEu ₃ (GeO ₄) ₂ (OH) ₂ : A High-Pressure-Stable Photoluminescent Lanthanide Germanate. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2527-2532	2.3	14
147	High pressure and high temperature induced polymerization of C ₆₀ nanotubes. <i>CrystEngComm</i> , 2011 , 13, 3600	3.3	14
146	Advances in the application of high pressure in carbon dots. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2617-2626	7.6	14
145	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
144	Discovery of High-Pressure Polymorphs for a Typical Polymorphic System: Oxalyl Dihydrazide. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10178-10188	3.8	13
143	Design of porous Ag platelet structures with tunable porosity and high catalytic activity. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22339-22346	13	13
142	Unexpected Room-Temperature Ferromagnetism in Nanostructured Bi ₂ Te ₃ . <i>Angewandte Chemie</i> , 2014 , 126, 748-752	3.6	13
141	Shape-controlled synthesis of PbS nanostructures from 20 to 240 °C: the competitive process between growth kinetics and thermodynamics. <i>CrystEngComm</i> , 2013 , 15, 5496	3.3	13
140	Effect of pressure on heterocyclic compounds: pyrimidine and s-triazine. <i>Journal of Chemical Physics</i> , 2014 , 141, 114902	3.9	13
139	Mutual Transformation between Random Nanoparticles and Their Superlattices: The Configuration of Capping Ligand Chains. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11425-11429	3.8	13
138	Facile synthesis and assembly of CuS nano-flakes to novel hexagonal prism structures. <i>Journal of Crystal Growth</i> , 2010 , 312, 2060-2064	1.6	13
137	Synthesis and humidity sensitive properties of nanocrystalline Ba _{1-x} Sr _x TiO ₃ thick films. <i>Materials Chemistry and Physics</i> , 1997 , 50, 227-232	4.4	13

- ¹³⁶ High pressure and high temperature induced polymeric C60 nanocrystal. *Diamond and Related Materials*, **2008**, 17, 620-623 3.5 13
- ¹³⁵ Near Zero Area Compressibility in a Perovskite-Like Metal-Organic Frameworks [C(NH)][Cd(HCOO)]. *ACS Applied Materials & Interfaces*, **2018**, 10, 23481-23484 9.5 12
- ¹³⁴ High-Pressure Band-Gap Engineering and Metallization in the Perovskite Derivative Cs Sb I. *ChemSusChem*, **2019**, 12, 3971-3976 8.3 12
- ¹³³ Structural transformation of confined iodine in the elliptical channels of AlPO(4)-11 crystals under high pressure. *Physical Chemistry Chemical Physics*, **2014**, 16, 8301-9 3.6 12
- ¹³² High pressure behaviors of nanoporous anatase TiO₂. *Materials Research Bulletin*, **2012**, 47, 1396-1399 5.1 12
- ¹³¹ X-ray diffraction of cubic Gd₂O₃/Er under high pressure. *Physica Status Solidi (B): Basic Research*, **2011**, 248, 1123-1127 1.3 12
- ¹³⁰ Harvesting Cool Daylight in Hybrid Organic-Inorganic Halides Microtubules through the Reservation of Pressure-Induced Emission. *Advanced Materials*, **2021**, 33, e2100323 24 12
- ¹²⁹ A difluoroboron β -diketonate based thermometer with temperature-dependent emission wavelength. *Chemical Communications*, **2020**, 56, 6269-6272 5.8 12
- ¹²⁸ Pressure-Triggered Blue Emission of Zero-Dimensional Organic Bismuth Bromide Perovskite. *Advanced Science*, **2021**, 8, 2004853 13.6 12
- ¹²⁷ Unravelling a solution-based formation of single-crystalline kinked wurtzite nanowires: The case of MnSe. *Nano Research*, **2017**, 10, 2311-2320 10 11
- ¹²⁶ Pressure-Induced Phase Transition in Hydrogen-Bonded Supramolecular Structure: Ammonium Formate. *Journal of Physical Chemistry C*, **2014**, 118, 8521-8530 3.8 11
- ¹²⁵ Reversible pressure-induced polymerization of Fe(C₅H₅)₂ doped C70. *Carbon*, **2013**, 62, 447-454 10.4 11
- ¹²⁴ Pressure-induced phosphorescence enhancement and piezochromism of a carbazole-based cyclic trinuclear Cu(I) complex. *Chemical Science*, **2021**, 12, 4425-4431 9.4 11
- ¹²³ Pressure-Driven Reverse Intersystem Crossing: New Path toward Bright Deep-Blue Emission of Lead-Free Halide Double Perovskites. *Journal of the American Chemical Society*, **2021**, 143, 15176-15184 16.4 11
- ¹²² Pressure-induced reversible phase transition in thiourea dioxide crystal. *Journal of Chemical Physics*, **2015**, 142, 244701 3.9 10
- ¹²¹ Selected Negative Linear Compressibilities in the Metal-Organic Framework of [Cu(4,4'-bpy)(HO)] \cdot SiF₆. *Inorganic Chemistry*, **2020**, 59, 1715-1722 5.1 10
- ¹²⁰ A novel pressure-induced phase transition in CaZrO₃. *CrystEngComm*, **2014**, 16, 4441 3.3 10
- ¹¹⁹ Pure Hexagonal Phase of EuF₃ Modulated by High Pressure. *Journal of Physical Chemistry C*, **2014**, 118, 7562-7568 3.8 10

118	New Assembly of Acetamidinium Nitrate Modulated by High Pressure. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23443-23450	3.8	10
117	High-Pressure Stability and Compressibility of Zircon-Type YV _{1-x} P _x O ₄ :Eu ³⁺ Solid-Solution Nanoparticles: An X-ray Diffraction and Raman Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18603-18612	3.8	10
116	Study of high pressure structural stability of CeO ₂ nanoparticles. <i>Chinese Physics C</i> , 2013 , 37, 098003	2.2	10
115	Compression studies of face-to-face π -stacking interaction in sodium squarate salts: Na ₂ C ₄ O ₄ and Na ₂ C ₄ O ₄ ·3H ₂ O. <i>Journal of Chemical Physics</i> , 2012 , 137, 184905	3.9	10
114	The structural stability of AlPO ₄ -5 zeolite under pressure: Effect of the pressure transmission medium. <i>Journal of Applied Physics</i> , 2012 , 111, 112615	2.5	10
113	Synthesis of SnO nanocrystals with shape control via ligands interaction and limited ligand protection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 363, 30-34	5.1	10
112	Synthesis and surface properties of new ureas and amides at different interfaces. <i>Langmuir</i> , 2006 , 22, 1619-25	4	10
111	From Two, to Three, to Multi-Color Switches: Developing AIEgen-Based Mechanochromic Materials. <i>ChemNanoMat</i> , 2017 , 3, 569-574	3.5	9
110	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
109	Pressure-induced phase transition in hydrogen-bonded molecular crystal acetamide: combined Raman scattering and X-ray diffraction study. <i>RSC Advances</i> , 2015 , 5, 84703-84710	3.7	9
108	Negative Linear Compressibility Response to Pressure in Multitype Wine-Rack Metal-Organic Frameworks 2020 , 2, 291-295		9
107	Ratiometric Piezochromism of Electrospun Polymer Films: Intermolecular Interactions for Enhanced Sensitivity and Color Difference. <i>ChemPlusChem</i> , 2018 , 83, 132-139	2.8	9
106	Gauche-Trans Conformational Equilibrium of Succinonitrile under High Pressure. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 5340-5346	3.8	9
105	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
104	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
103	High pressure supramolecular chemistry. <i>Science Bulletin</i> , 2014 , 59, 5258-5268		9
102	ZnS nanocrystals and nanoflowers synthesized by a green chemistry approach: rare excitonic photoluminescence achieved by the tunable molar ratio of precursors. <i>Journal of Hazardous Materials</i> , 2012 , 211-212, 62-7	12.8	9
101	Insertion of N ₂ into the Channels of AFI Zeolite under High Pressure. <i>Scientific Reports</i> , 2015 , 5, 13234	4.9	9

100	Pressure-induced amorphization in orthorhombic Ta ₂ O ₅ : An intrinsic character of crystal. <i>Journal of Applied Physics</i> , 2014 , 115, 193512	2.5	9
99	A facile method to synthesize nanosized metal oxides from their corresponding bulk materials. <i>CrystEngComm</i> , 2012 , 14, 5937	3.3	9
98	Exploring the possible interlinked structures in single-wall carbon nanotubes under pressure by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 176-182	2.3	9
97	The structural transition behavior of CdSe/ZnS core/shell quantum dots under high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 1149-1153	1.3	9
96	Surface Micelles of Single Chain Amphiphiles Bearing Azobenzene. <i>Langmuir</i> , 2002 , 18, 8006-8009	4	9
95	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
94	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
93	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
92	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
91	A simple route for consecutive production of activated carbon and liquid compound fertilizer from rice husk. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 446, 90-96	5.1	8
90	Raman spectroscopy of bromine chains inside the one-dimensional channels of AlPO ₄₋₅ single crystals. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 413-417	2.3	8
89	Shape and crystal phase controlled synthesis of InSe nanocrystals via a simple and facile way. <i>Journal of Crystal Growth</i> , 2011 , 336, 1-5	1.6	8
88	Synchrotron X-ray Diffraction and Infrared Spectroscopy Studies of C ₆₀ H ₁₈ under High Pressure. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 714-719	6.4	8
87	Photoluminescence Up-conversion of CdSe/ZnS Core/shell Quantum Dots under High Pressure. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4737-4740	3.8	8
86	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
85	Design of Layer-Structured KAlF ₄ :Yb/Er for Pressure-Enhanced Upconversion Luminescence. <i>Advanced Optical Materials</i> , 2020 , 8, 1901031	8.1	8
84	Alternative motif toward high-quality wurtzite MnSe nanorods via subtle sulfur element doping. <i>Nanoscale</i> , 2016 , 8, 8784-90	7.7	8
83	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

82	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
81	High Pressure Behavior of Hydrogen Storage Material Guanidinium Borohydride. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13414-13420	3.8	7
80	Synthesis of doped zinc blende-phase InSe:M (M = Fe and Co) nanocrystals for diluted magnetic semiconductor nanomaterials. <i>CrystEngComm</i> , 2013 , 15, 3734	3.3	7
79	Structural and Electronic Changes of SnBr ₄ under High Pressure. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8381-8387	3.8	7
78	Synthesis of TiO ₂ @C core-shell nanostructures with various crystal structures by hydrothermal and postheat treatments. <i>Journal of Materials Research</i> , 2013 , 28, 449-453	2.5	7
77	High-pressure structural and optical properties of organic-inorganic hybrid perovskite CH ₃ NH ₃ PbI ₃ . <i>Wuli Xuebao/Acta Physica Sinica</i> , 2017 , 66, 030701	0.6	7
76	Photoactivated Fluorescence Enhancement in F,N-Doped Carbon Dots with Piezochromic Behavior. <i>Angewandte Chemie</i> , 2020 , 132, 10072-10077	3.6	7
75	Stimuli-Responsive Luminescent Properties of Tetraphenylethene-Based Strontium and Cobalt Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2020 , 132, 19884-19889	3.6	7
74	The effect of phenolic compounds on the preparation of hydrochars from saccharides. <i>Environmental Progress and Sustainable Energy</i> , 2016 , 35, 189-194	2.5	7
73	Pressure-Induced Phase Transition of Hydrogen Storage Material Hydrazine Bisborane: Evolution of Dihydrogen Bonds. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 21293-21298	3.8	7
72	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
71	Structural Tuning and Piezoluminescence Phenomenon in Trithiocyanuric Acid. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 1870-1875	3.8	6
70	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
69	Extraordinarily Persistent Zero Linear Compressibility in Metal-Organic Framework MIL-122(In) 2020 , 2, 519-523		6
68	Effect of C70 rotation on the photoluminescence spectra of compressed C70*mesitylene. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 437-442	2.3	6
67	Selected Reactive Sites Tuned by High Pressure: Oligomerization of Solid-State Cyanamide. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 12801-12807	3.8	6
66	Synthesis and Pressure-induced Reversible Phase Transition of a Crystalline Solid Europium Germanate NaEuGeO ₄ . <i>Chinese Journal of Chemistry</i> , 2012 , 30, 2066-2072	4.9	6
65	Solvothermal synthesis of ZnS nanorods and their pressure modulated photoluminescence spectra. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 425227	1.8	6

64	Self-assembly and film stability of a micelle of a single-chain quaternary ammonium amphiphile containing azobenzene on mica. <i>Materials Letters</i> , 2004 , 58, 369-372	3.3	6
63	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
62	High-pressure behavior of bromine confined in the one-dimensional channels of zeolite AlPO-5 single crystals. <i>Journal of Chemical Physics</i> , 2016 , 145, 124319	3.9	6
61	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
60	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
59	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
58	In situ low-temperature Raman studies of iodine molecules confined in the one-dimensional channels of AlPO 4 -5 crystals. <i>Microporous and Mesoporous Materials</i> , 2016 , 221, 76-80	5.3	5
57	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
56	Effects of hydrothermal conditions on the morphology and phase composition of synthesized TiO ₂ nanostructures. <i>Physica B: Condensed Matter</i> , 2014 , 445, 42-47	2.8	5
55	Structural Deformation of Sm@C ₈₈ under High Pressure. <i>Scientific Reports</i> , 2015 , 5, 13398	4.9	5
54	Transformations of iodine species inside elliptical channels of AlPO ₄ -11 crystals at low temperature: a Raman study. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 400-405	2.3	5
53	Hydrostatic pressure effects on the fluorescence and FRET behavior of Cy3-labeled phycocyanin system. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 11010-6	3.4	5
52	High-Pressure Phase Transition in CTAB-Micellar Solutions: A Raman Spectroscopic Study. <i>Chinese Physics Letters</i> , 2007 , 24, 3085-3087	1.8	5
51	An environmentally friendly route to synthesize Cu micro/nanomaterials with sustainable oxidation resistance and promising catalytic performance. <i>RSC Advances</i> , 2016 , 6, 35036-35043	3.7	5
50	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
49	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
48	Mechanofluorochromic Carbon Nanodots: Controllable Pressure-Triggered Blue- and Red-Shifted Photoluminescence. <i>Angewandte Chemie</i> , 2018 , 130, 1911-1915	3.6	4
47	High pressure phase transition of ZnO/SiO ₂ core/shell nanospheres. <i>Journal of Applied Physics</i> , 2013 , 113, 054314	2.5	4

46	Synthesis of alkali-metal-doped C60 nanotubes. <i>Diamond and Related Materials</i> , 2011 , 20, 93-96	3.5	4
45	Reply to Comment on Size-Dependent Composition and Molar Extinction Coefficient of PbSe Semiconductor Nanocrystals <i>ACS Nano</i> , 2009 , 3, 2054-2054	16.7	4
44	Investigation of the synthesis, compacting density and hot-pressed sintering density for Y2O3-stabilized zirconia nanocrystalline materials. <i>Materials Chemistry and Physics</i> , 1997 , 51, 29-34	4.4	4
43	Retainable Bandgap Narrowing and Enhanced Photoluminescence in Mn-Doped and Undoped Cs2NaBiCl6 Double Perovskites by Pressure Engineering. <i>Advanced Optical Materials</i> , 2018 , 2101892	8.1	4
42	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
41	Pressure-induced emission enhancement by restricting chemical bond vibration. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 14578-14582	7.1	4
40	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
39	Insight into the structure-property relationship of two-dimensional lead-free halide perovskite Cs3Bi2Br9 nanocrystals under pressure. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1410-1415	6.8	4
38	Two Different Emission Enhancement of Trans-stilbene Crystal Under High Pressure: the Different Evolution of Structure. <i>Chinese Physics B</i> ,	1.2	4
37	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
36	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
35	High-Pressure-Induced Planarity of the Molecular Arrangement in Maleic Anhydride. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18503-18509	3.8	3
34	Preferable orientation of spherical fullerene inside boron nitride nanotubes. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 065402	1.8	3
33	Synthesis and solid-state studies of self-assembled C60 microtubes. <i>Diamond and Related Materials</i> , 2011 , 20, 178-182	3.5	3
32	Preparation and humidity-sensitive properties of nanocrystalline BaTiO3 thick film fabricated on Teflon substrate by using pressing method. <i>Materials Chemistry and Physics</i> , 1998 , 56, 140-146	4.4	3
31	Comparative study of pressure-induced polymerization in C60 nanorods and single crystals. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 425207	1.8	3
30	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
29	Aggregation-induced emission and pressure-dependent fluorescence of aryl cyclooctatetrathiophenes. <i>Dyes and Pigments</i> , 2021 , 184, 108803	4.6	3

- 28 New-phase retention in colloidal core/shell nanocrystals pressure-modulated phase engineering. *Chemical Science*, **2021**, 12, 6580-6587 9.4 3
- 27 Ultra-wideband phosphor Mg₂Gd₈(SiO₄)₆O₂:Ce³⁺,Mn²⁺: Energy transfer and pressure-driven color tuning for potential applications in LEDs and pressure sensors. *Chemical Engineering Journal*, **2022**, 427, 131897 14.7 3
- 26 High pressure-induced structural phase transition in hexagonal CeF₃ nanoplates. *Journal of Applied Physics*, **2012**, 111, 112627 2.5 2
- 25 Pressure-Treated Engineering to Harvest Enhanced Green Emission in Mn-Based Organic/Inorganic Metal Halides at Ambient Conditions. *Advanced Functional Materials*, 2109277 15.6 2
- 24 Multifunctional Ca₉NaZn₁-Mg (PO₄)₇:Eu²⁺ phosphor for full-spectrum lighting, optical thermometry and pressure sensor applications. *Chemical Engineering Journal*, **2022**, 431, 133805 14.7 2
- 23 Pressure-Induced Emission toward Harvesting Cold White Light from Warm White Light. *Angewandte Chemie*, **2021**, 133, 10170-10176 3.6 2
- 22 Harvesting High-Quality White-Light Emitting and Remarkable Emission Enhancement in One-Dimensional Halide Perovskites Upon Compression. *JACS*, **2021**, 1, 459-466 2
- 21 Pressure-Induced Restricting Intermolecular Vibration of a Herringbone Dimer for Significantly Enhanced Multicolor Emission in Rotor-Free Truxene Crystals.. *Journal of Physical Chemistry Letters*, **2022**, 2493-2499 6.4 2
- 20 Stress-Dependent Multicolor Mechanochromism in Epoxy Thermosets Based on Rhodamine and Diaminodiphenylmethane Mechanophores. *Macromolecules*, **2022**, 55, 2310-2319 5.5 2
- 19 Enhanced ferromagnetic properties of ZnO: Cu tuned by HPHT. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2011**, 375, 4095-4097 2.3 1
- 18 Decoration of C₆₀ nanorods with nickel and their magnetic properties. *Science Bulletin*, **2009**, 54, 2539-2542 1
- 17 Analysis on the DNA Fingerprinting of *Aspergillus Oryzae* Mutant Induced by High Hydrostatic Pressure. *Chinese Physics Letters*, **2011**, 28, 010703 1.8 1
- 16 Interfacial molecular assembly and surface patterning. *Science Bulletin*, **2001**, 46, 1152-1155 1
- 15 Pressure-Induced Local Excitation Promotion: New Route toward High-Efficiency Aggregate Emission Based on Multimer Excited State Modulation.. *Journal of Physical Chemistry Letters*, **2022**, 13, 1290-1299 6.4 1
- 14 Isotropic pressure promoted collective self-healing response in granular molecular crystals. *Science China Materials*, **2021**, 64, 2086-2092 7.1 1
- 13 Robust Yellow-Violet Pigments Tuned by Site-Selective Manganese Chromophores. *Inorganic Chemistry*, **2021**, 60, 11579-11590 5.1 1
- 12 Luminogens Based on Cyano-Substituted Anthracene Isomers: Different Molecular Packing and Distinct Piezochromic Properties. *Advanced Optical Materials*, **2021**, 9, 2100813 8.1 1
- 11 Synchrotron Radiation Applications on High-Pressure Research **2018**, 437-491 1

10	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
9	Molecular Mechanisms for High Hydrostatic Pressure-Induced Wing Mutagenesis in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2015 , 5, 14965	4.9	0
8	Au icosahedrons as efficient electrocatalyst for glucose-based biofuel cells by strain engineering. <i>Materials Letters</i> , 2020 , 263, 127220	3.3	0
7	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
6	Development of the Self-doping Porous Carbon and Its Application in Supercapacitor Electrode. <i>Chemical Research in Chinese Universities</i> , ¹	2.2	0
5	Effects of High Pressure on the Surface Plasmon Resonance of Copper and Silver Nanocrystals. <i>Chemical Research in Chinese Universities</i> , ¹	2.2	0
4	Nanocrystals-Related Synthesis, Assembly, and Energy Applications. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-2	3.2	
3	Nanocrystals-Related Synthesis, Assembly, and Energy Applications 2012. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-2	3.2	
2	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	
1	Warm white-light emission harvesting with enhanced color rendering index in conventional alloyed Cd _{0.7} Se _{0.3} quantum dots. <i>Materials Research Letters</i> , 2022 , 10, 264-270	7.4	