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## Recent advances in mechanochromic luminescent metal complexes

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#	Paper	IF	Citations
537	Quinoxaline based DAD molecules: high contrast reversible solid-state mechano- and thermo-responsive fluorescent materials. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 5491	7.1	70
536	Optical properties and red to near infrared piezo-responsive fluorescence of a tetraphenylethene- $\beta$ -erylenebisimide-tetraphenylethene triad. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6709	7.1	59
535	A new organic far-red mechanofluorochromic compound derived from cyano-substituted diarylethene. <b>2013</b> , 69, 10552-10557		39
534	Cross-linkable aggregation induced emission dye based red fluorescent organic nanoparticles and their cell imaging applications. <b>2013</b> , 4, 5060		119
533	Aggregation-induced emission logic gates based on metal ion sensing of phenanthroline-tetraphenylethene conjugates. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 7519	7.1	36
532	Mechanoluminescent and efficient white OLEDs for Pt(II) phosphors bearing spatially encumbered pyridinyl pyrazolate chelates. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 7582	7.1	73
531	Multi-stimuli responsive fluorescence switching: the reversible piezochromism and protonation effect of a divinylanthracene derivative. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 7554	7.1	175
530	Tetraphenylethene-based aggregation-induced emission fluorescent organic nanoparticles: facile preparation and cell imaging application. <b>2013</b> , 112, 81-6		107
529	Facile fabrication and cell imaging applications of aggregation-induced emission dye-based fluorescent organic nanoparticles. <b>2013</b> , 4, 4317		110
528	Fluorescence color change of aggregation-induced emission of 4-[bis(4-methylphenyl)amino]benzaldehyde. <b>2013</b> , 14, 3898-901		22
527	ChemInform Abstract: Recent Advances in Mechanochromic Luminescent Metal Complexes. <b>2013</b> , 44, no-no		
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524	Response of strongly fluorescent carbazole-based benzoxazole derivatives to external force and acidic vapors. <i>RSC Advances</i> , <b>2014</b> , 4, 58732-58739	3.7	28
523	Mechanofluorochromic behaviors of $\beta$ -iminoenolate boron complexes functionalized with carbazole. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 9543-9551	7.1	82
522	Zwitterionic red fluorescent polymeric nanoparticles for cell imaging. <b>2014</b> , 14, 1361-7		16
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514	Polymerizable aggregation-induced emission dye-based fluorescent nanoparticles for cell imaging applications. <b>2014</b> , 5, 356-360		206
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510	Facile preparation of water dispersible red fluorescent organic nanoparticles and their cell imaging applications. <b>2014</b> , 70, 3553-3559		16
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508	Fabrication of water-dispersible and biocompatible red fluorescent organic nanoparticles via PEGylation of aggregate induced emission enhancement dye and their cell imaging applications. <b>2014</b> , 113, 435-41		49
507	A triphenylamine-based benzoxazole derivative as a high-contrast piezofluorochromic material induced by protonation. <b>2014</b> , 50, 2569-71		170
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503	Stimuli-Responsive Dynamic Gold Complexes. <b>2014</b> , 2014, 4434-4449		86

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497	Polymorphic copper iodide clusters: insights into the mechanochromic luminescence properties. <b>2014</b> , 136, 11311-20		216
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494	Novel biocompatible cross-linked fluorescent polymeric nanoparticles based on an AIE monomer. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 816-820	7.1	55
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490	Mechanochemical synthesis of crystalline and amorphous digold(I) helicates exhibiting anion- and phase-switchable luminescence properties. <b>2014</b> , 43, 11807-10		23
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304	Mechanoresponsive Fluorescence of 2-Aminobenzophenone Derivatives Based on Amorphous Phase to Crystalline Transformation with High Off-On Contrast Ratio. <b>2017</b> , 121, 21610-21615		18
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292	Asymmetric Cyclophanes Permit Access to Supercooled Nematic Liquid Crystals with Stimulus-Responsive Luminescence. <b>2017</b> , 29, 6145-6152		33
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273	Two novel rhodamine-based molecules with different mechanochromic and photochromic properties in solid state. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2270-2274	7.1	23
272	Stimuli responsive AIE active positional isomers of phenanthroimidazole as non-doped emitters in OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2077-2087	7.1	64
271	A Highly Reversible Mechanochromic Difluorobenzothiadiazole Dye with Near-Infrared Emission. <b>2018</b> , 24, 3671-3676		48
270	Synthesis of tunable, red fluorescent aggregation-enhanced emissive organic fluorophores: stimuli-responsive high contrast off/on fluorescence switching. <b>2018</b> , 20, 643-651		22
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267	Twisted donor-acceptor cruciform fluorophores exhibiting strong solid emission, efficient aggregation-induced emission and high contrast mechanofluorochromism. <i>Dyes and Pigments</i> , <b>2018</b> , 150, 293-300	4.6	31
266	Twisted Donor-Acceptor Cruciform Luminophores Possessing Substituent-Dependent Properties of Aggregation-Induced Emission and Mechanofluorochromism. <b>2018</b> , 122, 2297-2306		80
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255	Malonitrile-Functionalized Tetraphenylpyrazine: Aggregation-Induced Emission, Ratiometric Detection of Hydrogen Sulfide, and Mechanochromism. <b>2018</b> , 28, 1704689		100
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216	Color Tuning of Mechanochromic Luminescent π-Diketones via Boron Coordination and Donor-Acceptor Effects. <b>2018</b> , 122, 19090-19099		26
215	Dimethylamine substituted bisbenzocoumarins: solvatochromic, mechanochromic and acidochromic properties. <b>2018</b> , 20, 5432-5441		19

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213	Probing the geometric structures and bonding mechanisms of CuI hybrid clusters: Cu <sub>4</sub> I <sub>4</sub> . <b>2018</b> , 1139, 102-105		11
212	Ultrabright Fluorescent Polymer Dots with Thermochromic Characteristics for Full-Color Security Marking. <b>2019</b> , 11, 29341-29349		29
211	Mechanochromic luminescence of AIEE-active tetraphenylethene-containing cruciform luminophores. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107739	4.6	16
210	Mechanochromic luminescence and color-tunable light-emitting devices of triphenylamine functionalized benzo[d,e]benzo[4,5]imidazo[2,1-a]isoquinolin-7-one. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 9808-9812	7.1	18
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207	Exploration the inherent mechanism of polymorphism and mechanochromism based on isomerism and AIE theory. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107663	4.6	8
206	Phosphorescent Molecules That Resist Concentration Quenching in the Solution State: Concentration-Driven Emission Enhancement of Vaulted -Bis[2-(iminomethyl)imidazolato]platinum(II) Complexes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 9076-9084	5.1	5
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204	Dimethylamino naphthalene-based cyanostyrene derivatives with stimuli responsive luminescent properties. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107700	4.6	10
203	Fast and stable vapochromic response induced through nanocrystal formation of a luminescent platinum(II) complex on periodic mesoporous organosilica. <b>2019</b> , 9, 15151		16
202	Mechanochromic and Electroluminescence Properties of a Layered Hybrid Perovskite Belonging to the Series. <b>2019</b> , 2019, 4527-4531		12
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200	Mechanochromic Reconfigurable Metasurfaces. <b>2019</b> , 6, 1900974		14
199	Temperature- and Mechanical-Force-Responsive Self-Assembled Rhomboidal Metallacycle. <b>2019</b> , 38, 4244-4249		24
198	1,8-Naphthalimide-Based Highly Emissive Luminophors with Various Mechanofluorochromism and Aggregation-Induced Characteristics. <b>2019</b> , 4, 14324-14332		14
197	Strategic modification of ligands for remarkable piezochromic luminescence (PCL) based on a neutral Ir(III) phosphor. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10876-10880	7.1	14

196	Bright solid-state red-emissive BODIPYs: facile synthesis and their high-contrast mechanochromic properties. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3471-3478	7.1	44
195	Red-emitting dyes based on phenothiazine-modified 2-hydroxychalcone analogues: mechanofluorochromism and gelation-induced emission enhancement. <b>2019</b> , 43, 77-84		8
194	Photophysical properties of bichromophoric Fe(II) complexes bearing an aromatic electron acceptor. <b>2019</b> , 138, 1		13
193	Deep insights into polymorphism initiated by exploring multicolor conversion materials. <b>2019</b> , 3, 1661-1670		11
192	Aggregation-induced emission enhancement and reversible mechanochromic luminescence of quinoline-based zinc(ii)-Schiff base complexes. <b>2019</b> , 48, 11045-11051		12
191	Luminescence color alteration induced by trapped solvent molecules in crystals of tetrahedral gold(i) complexes: near-unity luminescence mixed with thermally activated delayed fluorescence and phosphorescence. <b>2019</b> , 48, 9094-9103		6
190	Dimethylamine substituted bisbenzocoumarin amides with solvatochromic and mechanochromic properties. <b>2019</b> , 75, 3504-3509		2
189	Luminescence mechanochromism of copper iodide clusters: a rational investigation. <b>2019</b> , 48, 7899-7909		24
188	Cu-F Interactions between Cationic Linear N-Heterocyclic Carbene Copper(I) Pyridine Complexes and Their Counterions Greatly Enhance Blue Luminescence Efficiency. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5433-5445	5.1	37
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186	Unique twisted donor-acceptor cruciform architectures exhibiting aggregation-induced emission and stimuli-response behaviors. <i>Dyes and Pigments</i> , <b>2019</b> , 167, 135-142	4.6	18
185	A water-soluble cyclometalated iridium(iii) complex for pH sensing based on aggregation-induced enhanced phosphorescence. <b>2019</b> , 48, 8068-8075		6
184	Polymeric complexes of transition metal ions as electrochromic materials: Synthesis and properties. <b>2019</b> , 389, 1-18		44
183	Stimuli-Responsive Nanosized Supramolecular Gold(I) Complexes. <b>2019</b> , 281-324		2
182	The effect of substituent number on mechanochromic luminescence of diketones and the corresponding boron complexes. <i>Dyes and Pigments</i> , <b>2019</b> , 166, 159-167	4.6	9
181	Synthesis and photophysical properties of a new carbazole-based acidochromic molecular switch. <b>2019</b> , 377, 8-13		1
180	A viscochromic, mechanochromic, and unsymmetrical azine for selective detection of Al <sup>3+</sup> and Cu <sup>2+</sup> ions and its mitotracking studies. <b>2019</b> , 43, 7109-7119		17
179	Expanding the Horizon of Mechanochromic Detection by Luminescent Shear Stress Sensor Supraparticles. <b>2019</b> , 29, 1901193		21

178	Grinding-Triggered Single Crystal-to-Single Crystal Transformation of a Zinc(II) Complex: Mechanochromic Luminescence and Aggregation-Induced Emission Properties. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 4626-4633	5.1	25
177	Pt <sup>II</sup> (M = Au and Tl) Dative Bonds Using Bis(cyclometalated)platinum(II) Complexes. <b>2019</b> , 38, 1709-1720		7
176	A 1,6-Diphenylpyrene-Based, Photoluminescent Cyclophane Showing a Nematic Liquid-Crystalline Phase at Room Temperature. <b>2019</b> , 9, 92		4
175	Crystallization/aggregation enhanced emissive smart fluorophores for rewritable fluorescent platform: Alkoxy chain length controlled solid state fluorescence. <b>2019</b> , 211, 355-362		6
174	Halogen Atom and Position Dependent Strong Enhancement of Solid-State Fluorescence and Stimuli Responsive Reversible Fluorescence Switching. <b>2019</b> , 4, 3884-3890		8
173	Enhanced Circularly Polarized Luminescence from Reorganized Chiral Emitters on the Skeleton of a Zeolitic Imidazolate Framework. <b>2019</b> , 131, 5032-5036		22
172	Subtly manipulating the end group structures of DPP-centered dyes for the diverse aggregate fluorescence and stimuli-responsive behaviors. <i>Dyes and Pigments</i> , <b>2019</b> , 165, 193-199	4.6	9
171	Enhanced Circularly Polarized Luminescence from Reorganized Chiral Emitters on the Skeleton of a Zeolitic Imidazolate Framework. <b>2019</b> , 58, 4978-4982		70
170	Luminescent switching and structural transition through multiple external stimuli based on organic molecular polymorphs. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3263-3268	7.1	33
169	Synthesis and Photoluminescence of Tetracyanonitridorhenium(V) Complexes with Five-Membered N-Heteroaromatic Ligands and Photoluminescence-Intensity Change. <b>2019</b> , 4, 21251-21259		5
168	Multi-stimuli responsive properties switch by intra- and inter-molecular charge transfer constructed from triphenylamine derivative. <b>2019</b> , 21, 6630-6640		5
167	Structure-dependent reversible mechanochromism of D-EA triphenylamine derivatives. <b>2019</b> , 60, 252-259		23
166	Soft Crystals: Flexible Response Systems with High Structural Order. <b>2019</b> , 25, 5105-5112		166
165	Crystallization-Induced Red Phosphorescence and Grinding-Induced Blue-Shifted Emission of a Benzobis(1,2,5-thiadiazole)-Thiophene Conjugate. <b>2019</b> , 4, 344-351		25
164	The positional isomeric effects induced various phosphorescence: Switchable properties through acid-base vapor stimulation. <b>2019</b> , 1182, 31-35		1
163	Construction of a Luminogen Exhibiting High Contrast and Multicolored Emission Switching through Combination of a Bulky Conjugation Core and Tollyl Groups. <b>2019</b> , 14, 864-870		11
162	9,9-Dimethyl-9,10-dihydroacridine-based donor-acceptor cruciform luminophores: Evident aggregation-induced emission and remarkable mechanofluorochromism. <i>Dyes and Pigments</i> , <b>2020</b> , 173, 107937	4.6	6
161	Engineering of aggregation-induced emission luminogens by isomeric strategy to achieve high-performance optoelectronic device. <i>Dyes and Pigments</i> , <b>2020</b> , 173, 107912	4.6	14

160	The evident aggregation-induced emission and the reversible mechano-responsive behavior of carbazole-containing cruciform luminophore. <i>Dyes and Pigments</i> , <b>2020</b> , 172, 107786	4.6	8
159	High contrast mechanochromic luminescence of aggregation-induced emission (AIE)-based 9,9-dimethyl-9,10-dihydroacridine-containing cruciform luminophores. <i>Dyes and Pigments</i> , <b>2020</b> , 173, 107934	4.6	7
158	Chiral recognition and enantiomer excess determination based on emission wavelength change of AIEgen rotor. <b>2020</b> , 11, 161		19
157	Mechanochromic Luminescence from Crystals Consisting of Intermolecular Hydrogen-Bonded Sheets. <b>2020</b> , 15, 478-482		14
156	The abnormal solvatochromism, high-contrast mechanochromism and internal mechanism of two AIEE-active $\beta$ -diketones. <i>Dyes and Pigments</i> , <b>2020</b> , 175, 108149	4.6	9
155	Bathless Inorganic Composite Nickel Plating: Dry-Cell Stamping of Large Hygroscopic Phosphor Crystals. <b>2020</b> , 7, 1901282		1
154	Mechanochromic luminescent materials of bimetallic Cu(I) complexes showing thermally activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 16160-16167	7.1	14
153	Luminescent properties of a polymeric copper(I)-bromide complex in a PMMA film. <b>2020</b> , 59, 077001		1
152	Recent advances in schiff base metal complexes derived from 4-aminoantipyrene derivatives and their potential applications. <b>2020</b> , 1222, 128885		19
151	Mechanochromic Luminescence of N,N'-Dioxide-4,4'-bipyridine Bismuth Coordination Polymers. <b>2020</b> , 20, 7658-7666		10
150	Steric Engineering of Cyclometalated Pt(II) Complexes toward High-Contrast Monomer-Excimer-Based Mechanochromic and Vapochromic Luminescence. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 11584-11594	5.1	18
149	Solvent vapor-induced polarity and ferroelectricity switching. <b>2020</b> , 56, 10509-10512		3
148	Seeing luminescence appear as crystals crumble. Isolation and subsequent self-association of individual [(CHNC)Au] ions in crystals. <b>2020</b> , 11, 11705-11713		4
147	Combining Theory and Experiment to Get Insight into the Amorphous Phase of Luminescent Mechanochromic Copper Iodide Clusters. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 13607-13620	5.1	18
146	Untangling the Mechanochromic Properties of Benzothiadiazole-Based Luminescent Polymorphs through Supramolecular Organic Framework Topology. <b>2020</b> , 142, 17147-17155		23
145	Structural Control of the Molecular Packing and Dynamics of Mechanofluorochromic Materials Based on Small Donor-Acceptor Systems with Turn-On Luminescence. <b>2020</b> , 8, 2000420		12
144	Mechanochromic Delayed Fluorescence Switching in Propeller-Shaped Carbazole-Isophthalonitrile Luminogens with Stimuli-Responsive Intramolecular Charge-Transfer Excited States. <b>2020</b> , 59, 13955-13961		35
143	Reversible Luminescent Switching in an Organic Cocrystal: Multi-Stimuli-Induced Crystal-to-Crystal Phase Transformation. <b>2020</b> , 132, 15210-15215		9

142	Mechanochromic Delayed Fluorescence Switching in Propeller-Shaped Carbazole- $\beta$ -phthalonitrile Luminogens with Stimuli-Responsive Intramolecular Charge-Transfer Excited States. <b>2020</b> , 132, 14059-14065		9
141	Excitation-Dependent Photoluminescence Color Tuning in Lanthanide-Organic Hybrid Materials. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 7539-7552	5.1	15
140	Reversible fluorescent switching properties of pyrene-substituted acylhydrazone derivatives toward mechanical force and acid vapor with aggregation-induced emission. <b>2020</b> , 399, 112640		6
139	Complexation of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> and 9,10-Dicyanoanthracene: Dual Role of Borane as Spatial and Electronic Tuner. <b>2020</b> , 49, 1022-1025		2
138	Synthesis and properties of asymmetric 9, 10-dithienylanthracene derivatives with AIEE properties and their applications in cell imaging. <b>2020</b> , 400, 112663		0
137	Combined ultrafast spectroscopic and TDDFT theoretical studies on dual fluorescence emissions promoted by ligand-to-metal charge transfer (LMCT) excited states of tungsten-containing organometallic complexes. <b>2020</b> , 748, 137396		2
136	One-dimensional co-crystallized coordination polymers showing reversible mechanochromic luminescence: cation-anion interaction directed rapid self-recovery. <b>2020</b> , 56, 5267-5270		33
135	Photoluminescent and Photoresponsive Iptycene-Incorporated $\pi$ -Conjugated Systems: Fundamentals and Applications. <b>2020</b> , 4, 538-563		6
134	Aggregation-induced enhanced emission-type cruciform luminophore constructed by carbazole exhibiting mechanical force-induced luminescent enhancement and chromism.. <i>RSC Advances</i> , <b>2020</b> , 10, 12025-12034	3.7	7
133	Polymorphic Copper Iodide Anions: Luminescence Thermochromism and Mechanochromism of (PPh) <sub>3</sub> [CuI]. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 5768-5780	5.1	24
132	Effect of electron-withdrawing moieties on mechanochromism of phenothiazine derivatives. <b>2020</b> , 22, 5137-5144		8
131	Mechanical and thermal stimuli-induced release of toluene included in luminescent crystals as one-dimensional solvent channels. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 10039-10046	7.1	4
130	Unsymmetrical Coordination of Bipyridine in Three-Coordinate Gold(I) Complexes. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 4109-4117	5.1	6
129	Polymorphic mechanoresponsive luminescent material based on a fluorene-phenanthroimidazole hybrid by modulation of intramolecular conformation and intermolecular interaction. <b>2020</b> , 22, 2147-2157		8
128	H-aggregate triggered mechanochromic luminescence property of 7-(diethylamino)-coumarin-3-carbaldehyde oxime derivative. <b>2020</b> , 61, 151797		3
127	Carbazole-based highly solid-state emissive fluorene derivatives with various mechanochromic fluorescence characteristics. <i>Dyes and Pigments</i> , <b>2020</b> , 177, 108302	4.6	13
126	Reversible Solid-State Phase Transitions between Au-P Complexes Accompanied by Switchable Fluorescence. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 3072-3078	5.1	8
125	Dinuclear metal complexes: multifunctional properties and applications. <b>2020</b> , 49, 765-838		72

124	Synthesis and characterization of novel thin films derived from pyrazole-3-one and its metal complex with bivalent nickel ion to improve solar cell efficiency. <b>2020</b> , 74, 2069-2078		2
123	Stimuli-responsive phenothiazine-based donor-acceptor isomers: AIE, mechanochromism and polymorphism. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 3589-3602	7.1	29
122	Luminescence of mononuclear Pt(II) complexes with glycolate: external stimuli-induced excimer emission changes to oligomer emissions. <b>2020</b> , 49, 1873-1882		9
121	Vapor-, thermo-, and mechanical-grinding-triggered tri-stimuli-responsive luminescence switching of cycloplatinated(II) complex bearing 8-quinolinol derivatives. <i>Dyes and Pigments</i> , <b>2020</b> , 180, 108451	4.6	8
120	Design for multi-step mechanochromic luminescence property by enhancement of environmental sensitivity in a solid-state emissive boron complex. <b>2020</b> , 4, 1781-1788		15
119	Reversible Luminescent Switching in an Organic Cocrystal: Multi-Stimuli-Induced Crystal-to-Crystal Phase Transformation. <b>2020</b> , 59, 15098-15103		45
118	Isomerism, aggregation-induced emission and mechanochromism of isocyanide cycloplatinated(II) complexes. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7221-7233	7.1	28
117	The Key Role of the Interface in the Highly Sensitive Mechanochromic Luminescence Properties of Hybrid Perovskites. <b>2021</b> , 133, 847-852		0
116	Rational design of coumarin fluorophore with solvatochromism, AIE and mechanofluorochromic enhancement properties. <i>Dyes and Pigments</i> , <b>2021</b> , 185, 108898	4.6	12
115	Carbazole-modified gold(I) complexes with different substituents: Aggregate-induced luminescence change, various solid-state phosphorescence, temperature-dependent phosphorescence, and contrasting mechanoluminochromic characteristics. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108814	4.6	2
114	Mechanical Modulation of the Solid-State Luminescence of Tricarbonyl Rhenium(I) Complexes through the Interplay between Two Triplet Excited States. <b>2021</b> , 27, 4191-4196		5
113	Solid-state spectroscopic properties of dinuclear cyclometalated Pt(II) complexes with different bridging ligands and anions. <b>2021</b> , 515, 120072		1
112	The Key Role of the Interface in the Highly Sensitive Mechanochromic Luminescence Properties of Hybrid Perovskites. <b>2021</b> , 60, 834-839		3
111	Controllable color emission of platinum(II) complexes and their application in light-emitting diodes (LEDs). <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 8674-8682	7.1	1
110	Molecular structure controlled self-assembly of pyridine appended fluorophores: multi-stimuli fluorescence responses and fabricating rewritable/self-erasable fluorescent platforms. <i>Materials Advances</i> , <b>2021</b> , 2, 996-1005	3.3	12
109	Two-step mechanoresponsive luminescence and mechanical stimuli-induced release of small molecules exhibited by a luminescent cyclophane. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 1671-1677	7.1	3
108	Multiple stimulus-responsive behavior of a triphenylamine-substituted acylhydrazone derivative. <b>2021</b> , 45, 2085-2089		2
107	Recent advances in persistent luminescence based on molecular hybrid materials. <b>2021</b> , 50, 5564-5589		99

106	Crystal structure of a 1,6-bis(phenylethynyl)pyrene-based cyclophane that exhibits mechanochromic luminescence.		0
105	Mechano-induced photoluminescence colour change in an alkyltolane-terminated cyanostilbene. <b>2021</b> , 23, 5869-5875		2
104	A synergy between the push-pull electronic effect and twisted conformation for high-contrast mechanochromic AIEgens. <b>2021</b> , 8, 630-638		17
103	Non-doped OLEDs based on tetraphenylethylene phenanthroimidazoles with negligible efficiency roll-off: effects of end group regulated stimulus responsive AIE luminogens. <i>Materials Advances</i> , <b>2021</b> , 2, 5160-5170	3-3	5
102	Zero-dimensional plate-shaped copper halide crystals with green-yellow emissions. <i>Materials Advances</i> , <b>2021</b> , 2, 3744-3751	3-3	2
101	Investigating the structure fluorescence properties of tetraphenylethylene fused imidazole AIEgens: reversible mechanofluorochromism and polymer matrix controlled fluorescence tuning. <b>2021</b> , 23, 5403-5410		1
100	Between T and Y: Asymmetry in the Interaction of LAu(I) with Bipy and Diiminate-like Ligands. <b>2021</b> , 2021, 314-320		0
99	A two-component molecular hybrid with enhanced emission characteristics and mechanoresponsive luminescence properties. <b>2021</b> , 23, 4320-4326		1
98	A novel ionic AIE smart responsive material with multiple structural transformations.. <i>RSC Advances</i> , <b>2021</b> , 11, 20911-20915	3-7	
97	A high contrast mechanochromic luminescent diacetylene-linked bis-benzothiadiazole derivative. <b>2021</b> , 23, 5925-5930		0
96	Mechanochromic and Single-Molecule Magnetic Properties of a Rhodamine 6G Dy(III) Complex. <b>2021</b> , 3, 1368-1374		7
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94	Anthracene-based fluorescent probe: Synthesis, characterization, aggregation-induced emission, mechanochromism, and sensing of nitroaromatics in aqueous media. <b>2021</b> , 194, 110741		24
93	Recent advances in aggregation-induced emission of mechanochromic luminescent organic materials. <b>2021</b> , 4, 673-724		1
92	Fluorene-based aggregation-induced emission (AIE)-active tetraphenylethene derivatives: The effect of alkyl chain length on mechanofluorochromic behaviors. <b>2021</b> , 67, 152846		1
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90	Understanding Mechanochromic Luminescence on Account of Molecular Level Based on Phosphorescent Iridium(III) Complex Isomers. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3741-3748	5-1	4
89	Mechanoresponsive Behavior of Rod-like Liquid Crystalline Luminophores on an Alignment Layer. <b>2021</b> , 50, 812-815		2

88	Stimuli-Responsive AIEgens. <b>2021</b> , 33, e2008071		45
87	Mechanofluorochromism with Aggregation-Induced Emission (AIE) Characteristics: A Perspective Applying Isotropic and Anisotropic Force. <b>2021</b> , 379, 28		2
86	Mechanochromic Properties of Boron-Difluoride Complexes Bearing Expanded Pyridine Ligands: Effects of Conjugated Skeletons and Halogen Atoms. <b>2021</b> , 2021, 3148-3157		0
85	Multistimuli Responsive Solid-State Emission of a Zinc(II) Complex with Multicolour Switching. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11609-11615	5.1	7
84	Triboluminescence and Selective Hydrogen-Bond Responsiveness of Thiochromanone Derivative. <b>2021</b> , 3, 1300-1306		1
83	Improved mechanochromism and mechanoluminescence in fluoro-substituted N <sup>N</sup> C-coordinating cyclometalated platinum(II) complexes. <b>2021</b> , 523, 120411		1
82	Mechanochromic Luminescence of 2,6-Bis(4-biphenyl)isonicotinic Acid via Interconversion of Classical/Frustrated Brønsted Pair. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 12591-12596	4.2	3
81	Halide Replacement Effect on Proton Conductivity and Vapochromic Luminescence of Pt(II) Complexes.		
80	Luminescent Behavior Elucidation of a Disilane-Bridged DAD Triad Composed of Phenothiazine and Thienopyrazine. <b>2021</b> , 133, 23053		1
79	Tetraphenylethylene based amphiphilic derivatives: The self-assembly, photo-responsiveness and their application for erasable fluorescent ink. <i>Dyes and Pigments</i> , <b>2021</b> , 193, 109479	4.6	2
78	Luminescent Behavior Elucidation of a Disilane-Bridged D-A-D Triad Composed of Phenothiazine and Thienopyrazine. <b>2021</b> , 60, 22871-22878		7
77	Size-dependent luminescence of boron difluoride 1-(2-naphthyl)butanedionate-1,3. <b>2021</b> , 420, 113508		2
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69	Elastic deformability and luminescence of crystals of polyhalogenated platinum(II)Bipyridine complexes. <b>2021</b> , 23, 5891-5898		4
68	Biocompatible zwitterionic phosphorylcholine polymers with aggregation-induced emission feature. <b>2017</b> , 157, 166-173		9
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66	Naphthalimide-containing coordination polymer with mechanoresponsive luminescence and excellent metal ion sensing properties. <b>2020</b> , 49, 3174-3180		13
65	Mechanochemical changes on cyclometalated Ir(III) acyclic carbene complexes [Design and tuning of luminescent mechanochromic transition metal complexes. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 786-794		13
64	Alkoxy chain regulated stimuli-responsive AIE luminogens based on tetraphenylethylene substituted phenanthroimidazoles and non-doped OLEDs with negligible efficiency roll-off. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 4139-4147	7.1	20
63	Luminescent Mechanochromism and Spontaneous Phase Transformation of Gold(I) Isocyanide Complexes. <b>2013</b> , 62, 3-11		1
62	Facile Preparation of Water Dispersible Red Fluorescent Organic Nanoparticles for Cell Imaging. <b>2014</b> , 35, 1732-1736		6
61	On-Off Type Mechanofluorochromism of a Novel Fluorescent Amorphous Molecular Material, N-{4-[Bis(4-methylphenyl)amino]benzylidene}aniline. <b>2014</b> , 3, 38-41		9
60	Luminescent heteroleptic copper(I) complexes with phosphine and N-benzoyl thiourea ligands: Synthesis, structure and emission properties. <b>2022</b> , 211, 115542		3
59	Effect of incorporation of silole and phosphole heterocycles into photoswitchable diarylethenes. <b>2021</b> , 957, 122151		
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56	Fluorinated phenothiazine derivatives: Photophysical properties, mechanochromism and thermochromism. <b>2022</b> , 242, 118555		1
55	Luminescent Mechanochromism of a Chiral Complex: Distinct Crystal Structures and Color Changes of Racemic and Homochiral Gold(I) Isocyanide Complexes with a Binaphthyl Moiety. <b>2020</b> , 83-102		
54	Multi-stimuli-responsive Zn(II)-Schiff base complexes adjusted by rotatable aromatic rings. <b>2021</b> , 50, 16803-16809		0
53	Optical Properties in Heteronuclear Gold(I)/Silver(I) Complexes of Aliphatic Mixed-Donor Macrocycles Featuring Metallophilic Interactions. <b>2021</b> , 2021, 4552		1

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51	Heterolytic Bond Cleavage in a Scissile Triarylmethane Mechanophore. <b>2021</b> , 143, 18859-18863		3
50	Multistimulus Response of Two Tautomeric Zn(II) Complexes and Their White-Light Emission Based on Different Mechanisms. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 17677-17686	5.1	2
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47	Organometallic Complexes for Optoelectronic Applications. <b>2022</b> ,		
46	Acetonitrile-induced structure fine-tuning of a trinuclear zinc complex showing multistimuli responsive luminescence.		0
45	The triple-stimuli-responsive luminescence switching properties and application of a square-planar platinum(II) complex. <i>Dyes and Pigments</i> , <b>2022</b> , 200, 110139	4.6	0
44	Mechanochromic Luminescence of Composites Based on (CH <sub>3</sub> NH <sub>3</sub> )PbBr <sub>3</sub> and Layered HPs: Influence of 2D Components and Interface Multilayered Phases.		
43	Organic soft crystals exhibiting spontaneously reversible mechano-responsive luminescence. <b>2022</b> , 51, 100479		2
42	Pyridine nitrogen position controlled molecular packing and stimuli-responsive solid-state fluorescence switching: supramolecular complexation facilitated turn-on fluorescence. <b>2022</b> , 24, 2642-2649		0
41	Development of a new type of multi-functional mechanochromic luminescence material by infusing a phenyl rotator into the structure of 3,4-diphenylmaleic anhydride. <b>2022</b> , 46, 6765-6774		
40	Mechanochromic luminogens with hypsochromically shifted emission switching property: recent advances and perspectives. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5024-5064	7.1	3
39	Hetero-octanuclear AuAg Cluster Complexes of 4,5-Diethynylacridin-9-One with Luminescent Mechanochromism.. <b>2022</b> , 27,		1
38	Mechano-Nanoarchitectonics: Design and Function.. <b>2022</b> , e2101577		2
37	A Mechanochromic and Vapochromic Luminescent Cuprous Complex Based on a Switchable Intramolecular $\pi$ - $\pi$ Interaction.. <i>Inorganic Chemistry</i> , <b>2021</b> ,	5.1	3
36	Design and synthesis of a push-pull arylenevinylene terpyridyl conjugate: multifunctional behaviors exhibited by a single molecule. <i>Materials Advances</i> ,	3.3	0
35	Mechanofluorochromism of (D- $\beta$ )A-type azine-based fluorescent dyes.. <i>RSC Advances</i> , <b>2022</b> , 12, 13797-13809	3.0	0

34	Real-time and visible monitoring of structural damage using mechanoresponsive luminogen: recent progress and perspectives. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 1	1.9	0
33	Mechanofluorochromic Difluoroboron B diketones based Polymer Composites: Towards Multi-Stimuli Responsive Mechanical Stress Probes.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2200134	4.8	1
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31	Construction of two rosin-based BioAIEgens with distinct fluorescence and mechanochromic properties for rewritable paper. <i>Dyes and Pigments</i> , <b>2022</b> , 110454	4.6	2
30	Other Photoactive Inorganic Supramolecular Systems: Self-Assembly and Intercomponent Processes. <i>Springer Handbooks</i> , <b>2022</b> , 733-763	1.3	
29	Construction of multi-hydroxyl/ketone lanthanide metal-organic frameworks for understanding mechanochromic luminescence and high proton conductivity. <i>Inorganic Chemistry Frontiers</i> ,	6.8	1
28	A Series of DAD Structured Disilane-Bridged Triads: Structure and Stimuli-Responsive Luminescence Studies. <i>Journal of Organic Chemistry</i> , <b>2022</b> , 87, 8928-8938	4.2	0
27	Angular shaped AIE generator based luminophores for mechanochromism: An explosive sensor. <i>Materials Today Communications</i> , <b>2022</b> , 104050	2.5	
26	Multistimuli-Responsive Properties of Aggregated Isocyanide Cycloplatinated(II) Complexes. <i>Inorganic Chemistry</i> , <b>2022</b> , 61, 10898-10914	5.1	2
25	A self-assembled aza-BODIPY linked dicyanostilbene with a large Stokes shift, AIE, mechanochromism and singlet oxygen yield. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 119906	6	0
24	Triphenylamine, Carbazole or Tetraphenylethylene-Functionalized Benzothiadiazole Derivatives: Aggregation-Induced Emission (AIE), Solvatochromic and Different Mechanoresponsive Fluorescence Characteristics. <b>2022</b> , 27, 4740		
23	Trigonal Planar Au@Ag <sub>3</sub> Clusters Showing Exceptionally Fast and Efficient Phosphorescence in Violet to Deep-Blue Region.		
22	Crystal Structure of a 4,7-Bis(phenylethynyl)-2,1,3-benzothiadiazole-based Cyclophane and the Mechanoresponsive Luminescence.		1
21	D-A type dicyanoethylenes modified by carbazole: Obvious aggregation-induced emission enhancement and high-contrast mechanofluorochromism. <b>2022</b> , 252, 119323		0
20	A novel heterometallic platinum(ii)silver(i) alkynyl complex [PtAg(dppm) <sub>2</sub> (C <sub>7</sub> CC <sub>6</sub> H <sub>4</sub> COOCH <sub>3</sub> -4) <sub>2</sub> Cl] with two crystal morphologies exhibiting morphology-dependent photoluminescence.		0
19	Multistimuli-responsive materials based on a zinc(ii) complex with high-contrast and multicolor switching.		0
18	Twisted Aggregation-induced Emission Luminogens(AIEgens) Contribute to Mechanochromism Materials:A Review.		2
17	Experimental and computation studies of a Zn(II) coordination complex with isophthalic acid and benzimidazole as ligands. <b>2022</b> , 134290		0

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- 1 Conformation- and Coordination Mode-Dependent Stimuli-Responsive Salicylaldehyde Hydrazone Zn(II) Complexes. ○