

Chaolong Yang

List of Publications by Year in descending order

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67
papers

3,415
citations

185998

28
h-index

149479

56
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67
all docs

67
docs citations

67
times ranked

2362
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralong room temperature phosphorescence from amorphous organic materials toward confidential information encryption and decryption. <i>Science Advances</i> , 2018, 4, eaas9732.	4.7	515
2	Excitation-Dependent Long-Life Luminescent Polymeric Systems under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9967-9971.	7.2	242
3	Large-Area, Flexible, Transparent, and Long-Lived Polymer-Based Phosphorescence Films. <i>Journal of the American Chemical Society</i> , 2021, 143, 13675-13685.	6.6	237
4	Ultraviolet irradiation-responsive dynamic ultralong organic phosphorescence in polymeric systems. <i>Nature Communications</i> , 2021, 12, 2297.	5.8	196
5	Color-Tunable Polymeric Long-Persistent Luminescence Based on Polyphosphazenes. <i>Advanced Materials</i> , 2020, 32, e1907355.	11.1	176
6	Controlling Supramolecular Chirality of Two-Component Hydrogels by <i>J</i> - and <i>H</i> -Aggregation of Building Blocks. <i>Journal of the American Chemical Society</i> , 2018, 140, 6467-6473.	6.6	165
7	Versatile bimetallic lanthanide metal-organic frameworks for tunable emission and efficient fluorescence sensing. <i>Communications Chemistry</i> , 2018, 1, .	2.0	156
8	Long-Lived Organic Room-Temperature Phosphorescence from Amorphous Polymer Systems. <i>Accounts of Chemical Research</i> , 2022, 55, 1160-1170.	7.6	155
9	Study on dispersion, adsorption and flow retaining behaviors of cement mortars with TPEG-type polyether kind polycarboxylate superplasticizers. <i>Construction and Building Materials</i> , 2014, 64, 324-332.	3.2	122
10	Cross-Linked Polyphosphazene Nanospheres Boosting Long-Lived Organic Room-Temperature Phosphorescence. <i>Journal of the American Chemical Society</i> , 2022, 144, 6107-6117.	6.6	105
11	Four-in-One Stimulus-Responsive Long-Lived Luminescent Systems Based on Pyrene-Doped Amorphous Polymers. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	76
12	Full-Color Long-Lived Room Temperature Phosphorescence in Aqueous Environment. <i>Small</i> , 2022, 18, e2201223.	5.2	72
13	Synthesis and photoluminescent properties of four novel trinuclear europium complexes based on two tris- β^2 -diketones ligands. <i>Dyes and Pigments</i> , 2012, 92, 696-704.	2.0	68
14	An efficient long fluorescence lifetime polymer-based sensor based on europium complex as chromophore for the specific detection of F^- , CH_3COO^- , and H_2PO_4^- . <i>Polymer Chemistry</i> , 2012, 3, 2640.	1.9	59
15	Selective sensing of Fe^{3+} ions in aqueous solution by a biodegradable platform based lanthanide metal organic framework. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118084.	2.0	53
16	Influence of surface microstructure on bonding strength of modified polypropylene/aluminum alloy direct adhesion. <i>Applied Surface Science</i> , 2019, 489, 392-402.	3.1	52
17	Poly(arylene piperidine) Quaternary Ammonium Salts Promoting Stable Long-Lived Room-Temperature Phosphorescence in Aqueous Environment. <i>Advanced Materials</i> , 2022, 34, .	11.1	50
18	Excitation-Dependent Long-Life Luminescent Polymeric Systems under Ambient Conditions. <i>Angewandte Chemie</i> , 2020, 132, 10053-10057.	1.6	49

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37	Efficient red emission from poly(vinyl butyral) films doped with a novel europium complex based on a terpyridyl ancillary ligand: synthesis, structural elucidation by Sparkle/RM1 calculation, and photophysical properties. <i>Polymer Chemistry</i> , 2016, 7, 1147-1157.	1.9	21
38	Stable acrylate/triethoxyvinylsilane (VTES) core-shell emulsion with low surface tension made by modified micro-emulsion polymerization: Effect of different mass ratio of MMA/BA in the core and shell. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 549-556.	2.3	17
39	Preparation and properties of polyurethane rigid foam materials modified by microencapsulated phase change materials. <i>Polymer Composites</i> , 2020, 41, 1662-1672.	2.3	17
40	Lanthanide Metal-Organic Framework-Based Fluorescent Sensor Arrays to Discriminate and Quantify Ingredients of Natural Medicine. <i>Langmuir</i> , 2021, 37, 5321-5328.	1.6	15
41	Highly quantum efficiency trinuclear Eu ³⁺ complex based on tris-diketonate ligand. <i>Inorganic Chemistry Communication</i> , 2011, 14, 61-63.	1.8	13
42	Highly selective and sensitive long fluorescence lifetime polyurethane foam sensor based on Tb-complex as chromophore for the detection of H ₂ PO ₄ ³⁻ in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 217, 86-92.	2.0	13
43	Four Stimulus-Responsive Long-Lived Luminescent Systems Based on Pyrene-Doped Amorphous Polymers. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	12
44	Synthesis of ambient temperature self-crosslinking VTES-based core-shell polyacrylate emulsion via modified micro-emulsion polymerization process. <i>Polymer Bulletin</i> , 2013, 70, 1631-1645.	1.7	11
45	Regulation of Irradiation-Dependent Long-Lived Room Temperature Phosphorescence by Controlling Molecular Structures of Chromophores and Matrix. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	11
46	Novel polymeric light-emitting devices based on bipolar copolymers containing quinoline aluminum moieties and N-vinylcarbazole segments. <i>Synthetic Metals</i> , 2011, 161, 1771-1775.	2.1	10
47	The Effects of Different Solvents and Excitation Wavelength on the Photophysical Properties of Two Novel Ir(III) Complexes Based on Phenylcinnoline Ligand. <i>Journal of Fluorescence</i> , 2013, 23, 865-875.	1.3	10
48	High-temperature-resistant barium strontium titanate @Ag/poly(arylene ether nitrile) composites with enhanced dielectric performance and high mechanical strength. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 823-833.	9.9	10
49	Novel near-infrared luminescent linear copolymer based on tris(8-hydroxyquinoline)erbium. <i>Synthetic Metals</i> , 2012, 162, 431-435.	2.1	9
50	A series of highly quantum efficiency PMMA luminescent films doped with Eu-complex as promising light-conversion molecular devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11284-11292.	1.1	9
51	Novel rare earth coordination polymers with greatly enhanced fluorescence by synergistic effect of carboxyl-functionalized poly(arylene ether nitrile) and 1,10-phenanthroline. <i>European Polymer Journal</i> , 2020, 141, 110078.	2.6	9
52	Biodegradable film enabling visible light excitation of Hexanuclear Europium(III) complex for various applications. <i>Journal of Luminescence</i> , 2021, 229, 117706.	1.5	9
53	Integrated preparation and properties of polyurethane-based sandwich structure composites with foamed core layer. <i>Polymer Composites</i> , 2021, 42, 4549-4559.	2.3	9
54	Micro-nano interfacial mechanical interlocking structure-property of the ultrasonic-assisted hot press molded polypropylene/aluminum alloy hybrid. <i>Journal of Adhesion Science and Technology</i> , 2023, 37, 452-468.	1.4	9

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55	Effect of doped trinuclear europium complexes on the photoluminescence of biodegradable Polybutylene succinate films. <i>Synthetic Metals</i> , 2019, 251, 57-64.	2.1	8
56	Synthesis and characterization of a novel bipolar Alq3-based copolymer containing carbazole and phenothiazine groups. <i>Journal of Polymer Research</i> , 2011, 18, 1197-1206.	1.2	7
57	Reversible Addition-Fragmentation Chain Transfer Polymerization of Methyl Methacrylate in Microemulsion: The Influence of Reaction Conditions on Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 321-329.	1.2	7
58	Preparation and microstructural analysis of poly(ethylene oxide) comb-type grafted poly(N-isopropyl acrylamide) hydrogels crosslinked by poly(ϵ -caprolactone). <i>Journal of Applied Polymer Science</i> , 2013, 128, 275-282.	1.3	7
59	Mechanical Property and Structure of Polypropylene/Aluminum Alloy Hybrid Prepared via Ultrasound-Assisted Hot-Pressing Technology. <i>Materials</i> , 2020, 13, 236.	1.3	7
60	Hollow terbium metal-organic-framework spheres: preparation and their performance in Fe ³⁺ detection. <i>RSC Advances</i> , 2022, 12, 4153-4161.	1.7	7
61	Structure and Properties of Glass Fiber Reinforced Polypropylene/Liquid Crystal Polymer Blends. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 1144-1152.	0.4	6
62	Poly- β -hydroxybutyrate sensitizing effect on the photophysical properties of environment friendly fluorescent films containing europium complex. <i>Journal of Luminescence</i> , 2016, 178, 172-177.	1.5	5
63	Core-shell Pd@Pt-Ni nanoparticles with enhanced activity and durability as anode electrocatalyst for methanol oxidation reaction. <i>RSC Advances</i> , 2022, 12, 2246-2252.	1.7	5
64	Studies of energy/electron transfer in the photoluminescence process of bipolar Al-complex containing phenothiazine group. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 222, 241-248.	2.0	3
65	Biodegradable long-persistent luminescent films based on PHB/PHBV as matrix and sunlight conversion applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020, 57, 291-298.	1.2	3
66	The bonding strength of polyamide-6 direct adhesion with anodized AA5754 aluminum alloy. <i>Journal of Thermoplastic Composite Materials</i> , 2022, 35, 1852-1865.	2.6	3
67	Bipolar Alq3-based complexes: Effect of hole-transporting substituent on the properties of Alq3-center. <i>Journal of Luminescence</i> , 2012, 132, 2427-2432.	1.5	2