Chaolong Yang

List of Publications by Year in descending order

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185998 149479 3,415 67 28 56 citations h-index g-index papers 67 67 67 2362 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Ultralong room temperature phosphorescence from amorphous organic materials toward confidential information encryption and decryption. Science Advances, 2018, 4, eaas9732.	4.7	515
2	Excitationâ€Dependent Longâ€Life Luminescent Polymeric Systems under Ambient Conditions. Angewandte Chemie - International Edition, 2020, 59, 9967-9971.	7.2	242
3	Large-Area, Flexible, Transparent, and Long-Lived Polymer-Based Phosphorescence Films. Journal of the American Chemical Society, 2021, 143, 13675-13685.	6.6	237
4	Ultraviolet irradiation-responsive dynamic ultralong organic phosphorescence in polymeric systems. Nature Communications, 2021, 12, 2297.	5.8	196
5	Colorâ€Tunable Polymeric Longâ€Persistent Luminescence Based on Polyphosphazenes. Advanced Materials, 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. Journal of the American Chemical Society, 2018, 140, 6467-6473.	6.6	165
7	Versatile bimetallic lanthanide metal-organic frameworks for tunable emission and efficient fluorescence sensing. Communications Chemistry, 2018, 1 , .	2.0	156
8	Long-Lived Organic Room-Temperature Phosphorescence from Amorphous Polymer Systems. Accounts of Chemical Research, 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. Construction and Building Materials, 2014, 64, 324-332.	3.2	122
10	Cross-Linked Polyphosphazene Nanospheres Boosting Long-Lived Organic Room-Temperature Phosphorescence. Journal of the American Chemical Society, 2022, 144, 6107-6117.	6.6	105
11	Fourâ€inâ€One Stimulusâ€Responsive Longâ€Lived Luminescent Systems Based on Pyreneâ€Doped Amorphous Polymers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	76
12	Fullâ€Color Longâ€Lived Room Temperature Phosphorescence in Aqueous Environment. Small, 2022, 18, e2201223.	5.2	72
13	Synthesis and photoluminescent properties of four novel trinuclear europium complexes based on two tris-Î ² -diketones ligands. Dyes and Pigments, 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 Fâ^', CH3COOâ^', and H2PO4â^'. Polymer Chemistry, 2012, 3, 2640.	1.9	59
15	Selective sensing of Fe3+ ions in aqueous solution by a biodegradable platform based lanthanide metal organic framework. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118084.	2.0	53
16	Influence of surface microstructure on bonding strength of modified polypropylene/aluminum alloy direct adhesion. Applied Surface Science, 2019, 489, 392-402.	3.1	52
17	Poly(arylene piperidine) Quaternary Ammonium Salts Promoting Stable Longâ€Lived Roomâ€Temperature Phosphorescence in Aqueous Environment. Advanced Materials, 2022, 34, .	11.1	50
18	Excitationâ€Dependent Longâ€Life Luminescent Polymeric Systems under Ambient Conditions. Angewandte Chemie, 2020, 132, 10053-10057.	1.6	49

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19	Facile synthesis of Ag nanoparticles-loaded chitosan antibacterial nanocomposite and its application in polypropylene. International Journal of Biological Macromolecules, 2020, 161, 1286-1295.	3.6	46
20	Photoâ€Induced Dynamic Room Temperature Phosphorescence Based on Triphenyl Phosphonium Containing Polymers. Advanced Functional Materials, 2022, 32, .	7.8	45
21	An efficient Eu-based anion-selective chemosensor: Synthesis, sensing properties, and its use for the fabrication of fluorescent hydrogel probe. Sensors and Actuators B: Chemical, 2013, 177, 437-444.	4.0	43
22	Solventâ€Controlled Assembly of Aromatic Glutamic Dendrimers for Efficient Luminescent Color Conversion. Advanced Functional Materials, 2018, 28, 1802859.	7.8	43
23	Efficient monochromatic red-light-emitting PLEDs based on a series of nonconjugated Eu-polymers containing a neutral terpyridyl ligand. Journal of Materials Chemistry C, 2013, 1, 4885.	2.7	42
24	Synthesis and super retarding performance in cement production of diethanolamine modified lignin surfactant. Construction and Building Materials, 2014, 52, 116-121.	3.2	39
25	An efficiently colorimetric and fluorescent probe of fluoride, acetate and phosphate ions based on a novel trinuclear Eu-complex. Sensors and Actuators B: Chemical, 2014, 196, 133-139.	4.0	38
26	Long-Lived Room Temperature Phosphorescence Crystals with Green Light Excitation. ACS Applied Materials & Samp; Interfaces, 2022, 14, 15706-15715.	4.0	36
27	The effect of two additional Eu3+ lumophors in two novel trinuclear europium complexes on their photoluminescent properties. Photochemical and Photobiological Sciences, 2013, 12, 330-338.	1.6	34
28	Bonded-luminescent foam based on europium complexes as a reversible copper (II) ions sensor in pure water. European Polymer Journal, 2019, 112, 461-465.	2.6	29
29	Ultrastable Tb-Organic Framework as a Selective Sensor of Phenylglyoxylic Acid in Urine. ACS Applied Materials & Interfaces, 2021, 13, 33546-33556.	4.0	27
30	Synthesis and photophysics properties of novel bipolar copolymers containing quinoline aluminum moieties and carbazole segments. European Polymer Journal, 2011, 47, 385-393.	2.6	24
31	Effect of Carbazolyl Groups on Photophysical Properties of Cyanuric Chloride. ACS Applied Materials & amp; Interfaces, 2019, 11, 47162-47169.	4.0	24
32	Waterâ€Induced Blueâ€Green Variable Nonconventional Ultralong Room Temperature Phosphorescence from Crossâ€Linked Copolymers via Click Chemistry. Advanced Optical Materials, 2021, 9, 2101284.	3.6	24
33	A novel colorimetric and fluorescent sensor for fluoride detection based on a three-arm phenanthroline derivative. Journal of Materials Science, 2014, 49, 7040-7048.	1.7	23
34	Luminescent properties and CH3COOâ^' recognition of europium complexes with different phenanthroline derivatives as second ligands. Synthetic Metals, 2012, 162, 1097-1106.	2.1	22
35	Simple Vanilla Derivatives for Long-Lived Room-Temperature Polymer Phosphorescence as Invisible Security Inks. Research, 2021, 2021, 8096263.	2.8	22

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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. Polymer Chemistry, 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. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 549-556.	2.3	17
39	Preparation and properties of polyurethane rigid foam materials modified by microencapsulated phase change materials. Polymer Composites, 2020, 41, 1662-1672.	2.3	17
40	Lanthanide Metal–Organic Framework-Based Fluorescent Sensor Arrays to Discriminate and Quantify Ingredients of Natural Medicine. Langmuir, 2021, 37, 5321-5328.	1.6	15
41	Highly quantum efficiency trinuclear Eu3+ complex based on tris-diketonate ligand. Inorganic Chemistry Communication, 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 H2PO4â [^] in water. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 217, 86-92.	2.0	13
43	Fourâ€inâ€One Stimulusâ€Responsive Longâ€Lived Luminescent Systems Based on Pyreneâ€Doped Amorphous Polymers. Angewandte Chemie, 2022, 134, .	1.6	12
44	Synthesis of ambient temperature self-crosslinking VTES-based core–shell polyacrylate emulsion via modified micro-emulsion polymerization process. Polymer Bulletin, 2013, 70, 1631-1645.	1.7	11
45	Regulation of Irradiationâ€Dependent Longâ€Lived Room Temperature Phosphorescence by Controlling Molecular Structures of Chromophores and Matrix. Advanced Optical Materials, 2022, 10, .	3.6	11
46	Novel polymeric light-emitting devices based on bipolar copolymers containing quinoline aluminum moieties and N-vinylcarbazole segments. Synthetic Metals, 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. Journal of Fluorescence, 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. Advanced Composites and Hybrid Materials, 2022, 5, 823-833.	9.9	10
49	Novel near-infrared luminescent linear copolymer based on tris(8-hydroxyquinoline)erbium. Synthetic Metals, 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. Journal of Materials Science: Materials in Electronics, 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. European Polymer Journal, 2020, 141, 110078.	2.6	9
52	Biodegradable film enabling visible light excitation of Hexanuclear Europium(â¢) complex for various applications. Journal of Luminescence, 2021, 229, 117706.	1.5	9
53	Integrated preparation and properties of polyurethaneâ€based sandwich structure composites with foamed core layer. Polymer Composites, 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. Journal of Adhesion Science and Technology, 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. Synthetic Metals, 2019, 251, 57-64.	2.1	8
56	Synthesis and characterization of a novel bipolar Alq3-based copolymer containing carbazole and phenothiazine groups. Journal of Polymer Research, 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. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 321-329.	1.2	7
58	Preparation and microstructural analysis of poly(ethylene oxide) combâ€type grafted poly(<i>N</i> à€isopropyl acrylamide) hydrogels crosslinked by poly(ϵâ€caprolactone). Journal of Applied Polymer Science, 2013, 128, 275-282.	1.3	7
59	Mechanical Property and Structure of Polypropylene/Aluminum Alloy Hybrid Prepared via Ultrasound-Assisted Hot-Pressing Technology. Materials, 2020, 13, 236.	1.3	7
60	Hollow terbium metal–organic-framework spheres: preparation and their performance in Fe ³⁺ detection. RSC Advances, 2022, 12, 4153-4161.	1.7	7
61	Structure and Properties of Glass Fiber Reinforced Polypropylene/Liquid Crystal Polymer Blends. Journal of Macromolecular Science - Physics, 2015, 54, 1144-1152.	0.4	6
62	Poly- \hat{l}^2 -hydroxybutyrate sensitizing effect on the photophysical properties of environment friendly fluorescent films containing europium complex. Journal of Luminescence, 2016, 178, 172-177.	1.5	5
63	Core–shell Pd–P@Pt–Ni nanoparticles with enhanced activity and durability as anode electrocatalyst for methanol oxidation reaction. RSC Advances, 2022, 12, 2246-2252.	1.7	5
64	Studies of energy/electron transfer in the photoluminescence process of bipolar Al-complex containing phenothiazine group. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 222, 241-248.	2.0	3
65	Biodegradable long-persistent luminescent films based on PHB/PHBV as matrix and sunlight conversion applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 291-298.	1.2	3
66	The bonding strength of polyamide-6 direct adhesion with anodized AA5754 aluminum alloy. Journal of Thermoplastic Composite Materials, 2022, 35, 1852-1865.	2.6	3
67	Bipolar Alq3-based complexes: Effect of hole-transporting substituent on the properties of Alq3-center. Journal of Luminescence, 2012, 132, 2427-2432.	1.5	2