

Zhao Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3475869/publications.pdf>

Version: 2024-02-01

63
papers

2,021
citations

201575

27
h-index

254106

43
g-index

63
all docs

63
docs citations

63
times ranked

1850
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel fluorene-based aggregation-induced emission (AIE)-active gold(<i>i</i>) complex with crystallization-induced emission enhancement (CIEE) and reversible mechanochromism characteristics. <i>Chemical Communications</i> , 2015, 51, 326-329.	2.2	182
2	Melanin-dot-mediated delivery of metallacycle for NIR-II/photoacoustic dual-modal imaging-guided chemo-photothermal synergistic therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16729-16735.	3.3	141
3	A nano-cocktail of an NIR-II emissive fluorophore and organoplatinum(<i>ii</i>) metallacycle for efficient cancer imaging and therapy. <i>Chemical Science</i> , 2019, 10, 7023-7028.	3.7	98
4	Aggregation-induced emission (AIE) behavior and thermochromic luminescence properties of a new gold(<i>i</i>) complex. <i>Chemical Communications</i> , 2013, 49, 3567.	2.2	93
5	Carbazole-based aggregation-induced emission (AIE)-active gold(<i>i</i>) complex: Persistent room-temperature phosphorescence, reversible mechanochromism and vapochromism characteristics. <i>Dyes and Pigments</i> , 2017, 143, 409-415.	2.0	87
6	Aggregation-induced emission-active gold(<i>i</i>) complexes with multi-stimuli luminescence switching. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2243.	2.7	81
7	Ligand-Triggered Platinum(<i>II</i>) Metallacycle with Mechanochromic and Vapochromic Responses. <i>Inorganic Chemistry</i> , 2021, 60, 9387-9393.	1.9	75
8	A novel fluorene-based gold(<i>i</i>) complex with aggregate fluorescence change: a single-component white light-emitting luminophor. <i>Chemical Communications</i> , 2014, 50, 11033.	2.2	65
9	Highly Emissive Multipurpose Organoplatinum(<i>II</i>) Metallacycles with Contrasting Mechanoresponsive Features. <i>Inorganic Chemistry</i> , 2022, 61, 2883-2891.	1.9	56
10	Aggregation-induced emission (AIE)-active highly emissive novel carbazole-based dyes with various solid-state fluorescence and reversible mechanofluorochromism characteristics. <i>Dyes and Pigments</i> , 2019, 164, 390-397.	2.0	50
11	A novel carbazole-based gold(<i>i</i>) complex with interesting solid-state, multistimuli-responsive characteristics. <i>Dalton Transactions</i> , 2015, 44, 17473-17477.	1.6	47
12	Novel carbazole-based aggregation-induced emission-active gold(<i>i</i>) complexes with various mechanofluorochromic behaviors. <i>Dyes and Pigments</i> , 2016, 125, 169-178.	2.0	42
13	Fluorene-based novel highly emissive fluorescent molecules with aggregate fluorescence change or aggregation-induced emission enhancement characteristics. <i>Dyes and Pigments</i> , 2015, 112, 59-66.	2.0	40
14	Bipyridine-based aggregation-induced phosphorescent emission (AIPE)-active gold(<i>i</i>) complex with reversible phosphorescent mechanochromism and self-assembly characteristics. <i>Dyes and Pigments</i> , 2018, 152, 54-59.	2.0	39
15	Vinyl-functionalized multicolor benzothiadiazoles: design, synthesis, crystal structures and mechanically-responsive performance. <i>Science China Chemistry</i> , 2019, 62, 440-450.	4.2	39
16	Triphenylamine, carbazole or tetraphenylethylene-based gold(<i>i</i>) complexes: Tunable solid-state room-temperature phosphorescence and various mechanochromic luminescence characteristics. <i>Dyes and Pigments</i> , 2018, 159, 499-505.	2.0	38
17	Fluorene-based mononuclear gold(<i>i</i>) complexes: the effect of alkyl chain, aggregation-induced emission (AIE) and mechanochromism characteristics. <i>RSC Advances</i> , 2016, 6, 73933-73938.	1.7	37
18	Redox-modulated near-infrared electrochromism, electroluminochromism, and aggregation-induced fluorescence change in an indolo[3,2- <i>b</i>]carbazole-bridged diamine system. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 570-577.	4.0	36

#	ARTICLE	IF	CITATIONS
19	A multifunctional aggregation-induced emission (AIE)-active fluorescent chemosensor for detection of Zn ²⁺ and Hg ²⁺ . <i>Tetrahedron</i> , 2019, 75, 130489.	1.0	35
20	Excitation Wavelength-Dependent Nearly Pure White Light-Emitting Crystals from a Single Gold(I)-Containing Complex. <i>Organic Letters</i> , 2019, 21, 9945-9949.	2.4	35
21	Synthesis, characterization and mechanochromic behavior of binuclear gold (I) complexes with various diisocyano bridges. <i>Dyes and Pigments</i> , 2012, 95, 485-490.	2.0	34
22	Aggregation-induced emission enhancement (AIEE)-active tetraphenylethene (TPE)-based chemosensor for Hg ²⁺ with solvatochromism and cell imaging characteristics. <i>RSC Advances</i> , 2019, 9, 11865-11869.	1.7	34
23	Temperature- and Mechanical-Force-Responsive Self-Assembled Rhomboidal Metallacycle. <i>Organometallics</i> , 2019, 38, 4244-4249.	1.1	33
24	1,8-Naphthalimide-based highly blue-emissive fluorophore induced by a bromine atom: reversible thermochromism and vapochromism characteristics. <i>RSC Advances</i> , 2014, 4, 63985-63988.	1.7	32
25	Novel diisocyano-based dinuclear gold(I) complexes with aggregation-induced emission and mechanochromism characteristics. <i>Dyes and Pigments</i> , 2015, 121, 170-177.	2.0	31
26	Tetraphenylethene-based highly emissive fluorescent molecules with aggregation-induced emission (AIE) and various mechanofluorochromic characteristics. <i>Tetrahedron Letters</i> , 2018, 59, 836-840.	0.7	29
27	Tetraphenylethene or triphenylethylene-based luminophors: Tunable aggregation-induced emission (AIE), solid-state fluorescence and mechanofluorochromic characteristics. <i>Dyes and Pigments</i> , 2021, 184, 108828.	2.0	29
28	Aggregation-induced emission enhancement (AIEE)-active tetraphenylethene (TPE)-based chemosensor for CN ⁻ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 245, 118928.	2.0	28
29	Triisocyano-based trinuclear gold(I) complexes with aggregation-induced emission (AIE) and mechanochromic luminescence characteristics. <i>Inorganica Chimica Acta</i> , 2015, 432, 192-197.	1.2	27
30	Progress in mechanochromic luminescence of gold(I) complexes. <i>Chinese Chemical Letters</i> , 2021, 32, 3718-3732.	4.8	27
31	Cyanobenzene-containing tetraphenylethene derivatives with aggregation-induced emission and self-recovering mechanofluorochromic characteristics. <i>RSC Advances</i> , 2017, 7, 43845-43848.	1.7	25
32	1,8-Naphthalimide-Based Highly Emissive Luminophors with Various Mechanofluorochromism and Aggregation-Induced Characteristics. <i>ACS Omega</i> , 2019, 4, 14324-14332.	1.6	25
33	Fluorene-based novel gold(I) complexes with aggregation-induced emission (AIE) or aggregate fluorescence change characteristics: from green to white emission. <i>RSC Advances</i> , 2015, 5, 15341-15349.	1.7	22
34	Mononuclear aggregation-induced emission (AIE)-active gold(I)-isocyanide phosphors: Contrasting phosphorescent mechanochromisms and effect of halogen substitutions on room-temperature phosphorescence nature. <i>Chinese Chemical Letters</i> , 2022, 33, 2522-2526.	4.8	22
35	Highly emissive carbazole-based gold(I) complex with a long room-temperature phosphorescence lifetime and self-reversible mechanochromism characteristics. <i>RSC Advances</i> , 2017, 7, 15112-15115.	1.7	21
36	Imide-Modified Dinaphtho[1,2- <i>b</i> :2',1'- <i>d</i>]thiophene and Dinaphtho[1,2- <i>b</i> :2',1'- <i>d</i>]thiophene 13,13-Dioxide: Synthesis and Optoelectronic Properties. <i>Journal of Organic Chemistry</i> , 2015, 80, 8443-8448.	1.7	19

#	ARTICLE	IF	CITATIONS
37	Carbazole-based highly solid-state emissive fluorene derivatives with various mechanochromic fluorescence characteristics. <i>Dyes and Pigments</i> , 2020, 177, 108302.	2.0	18
38	Aggregation-induced emission enhancement (AIEE)-active mechanofluorochromic tetraphenylethene derivative bearing a rhodamine unit. <i>Tetrahedron Letters</i> , 2018, 59, 4416-4419.	0.7	17
39	Carbazole-based gold(I) complexes with alkyl chains of different lengths: tunable solid-state fluorescence, aggregation-induced emission (AIE), and reversible mechanochromism characteristics. <i>RSC Advances</i> , 2015, 5, 93757-93764.	1.7	16
40	Elaborately Tuning Intramolecular Electron Transfer Through Varying Oligoacene Linkers in the Bis(diarylamino) Systems. <i>Scientific Reports</i> , 2016, 6, 36310.	1.6	15
41	Dithienopyrrole compound with twisted triphenylamine termini: Reversible near-infrared electrochromic and mechanochromic dual-responsive characteristics. <i>Dyes and Pigments</i> , 2017, 136, 168-174.	2.0	14
42	Effect of alkyl chain length on the luminescence on-off mechanochromic behavior of solid-state Gold(I) isocyanide complexes. <i>Dyes and Pigments</i> , 2018, 150, 315-322.	2.0	13
43	1,8-Naphthalimide-based highly emissive luminogen with reversible mechanofluorochromism and good cell imaging characteristics. <i>Tetrahedron Letters</i> , 2018, 59, 3600-3604.	0.7	13
44	Thiophene-containing tetraphenylethene derivatives with different aggregation-induced emission (AIE) and mechanofluorochromic characteristics. <i>RSC Advances</i> , 2019, 9, 24338-24343.	1.7	13
45	Aggregation-induced emission compounds based on 9,10-dithienylanthracene and their applications in cell imaging. <i>Dyes and Pigments</i> , 2020, 175, 108112.	2.0	13
46	Synergistic Effects between Anionic and Sulfobetaine Surfactants for Stabilization of Foams Tolerant to Crude Oil in Foam Flooding. <i>Journal of Surfactants and Detergents</i> , 2021, 24, 683-696.	1.0	13
47	Persistent room-temperature phosphorescence or high-contrast phosphorescent mechanochromism: polymorphism-dependent different emission characteristics from a single gold(I) complex. <i>Dalton Transactions</i> , 2021, 50, 7744-7749.	1.6	13
48	Single-component gold(I)-containing highly white-emissive crystals based on a polymorph doping strategy. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1866-1871.	3.2	12
49	Fabrication of subnanochannels by metal-organic frameworks. <i>Matter</i> , 2021, 4, 772-774.	5.0	11
50	Highly emissive D-A π -D type aggregation-induced emission (AIE) or aggregation-induced emission enhancement (AIEE)-active benzothiadiazole derivatives with contrasting mechanofluorochromic features. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 274, 121122.	2.0	10
51	A Fluorescent Probe for Hg^{2+} Based on Gold(I) Complex with An Aggregation-Induced Emission Feature. <i>Chinese Journal of Chemistry</i> , 2015, 33, 1064-1068.	2.6	9
52	D π -A type carbazole and triphenylamine derivatives with different π -conjugated units: Tunable aggregation-induced emission (AIE) and mechanofluorochromic properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 429, 113905.	2.0	9
53	Experimental Investigation on the DPF High-Temperature Filtration Performance under Different Particle Loadings and Particle Deposition Distributions. <i>Processes</i> , 2021, 9, 1465.	1.3	8
54	Fatty alcohol polyoxyethylene ether sulfonate for foam flooding in high-salinity and high-temperature reservoir conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127366.	2.3	8

#	ARTICLE	IF	CITATIONS
55	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> , 2021, 184, 108814.	2.0	7
56	Fluorene-based aggregation-induced emission (AIE)-active tetraphenylethene derivatives: The effect of alkyl chain length on mechanofluorochromic behaviors. <i>Tetrahedron Letters</i> , 2021, 67, 152846.	0.7	7
57	Novel colorimetric and fluorescent chemosensor for Hg ²⁺ /Sn ²⁺ based on a photochromic diarylethene with a styrene-linked pyrido[2,3-b]pyrazine unit. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113439.	2.0	7
58	A redox-responsive organogel based on a selenium-containing low molecular mass gelator. <i>New Journal of Chemistry</i> , 2020, 44, 24-28.	1.4	6
59	Tetraphenylethene-Modified Colorimetric and Fluorescent Chemosensor for Hg ²⁺ With Aggregation-Induced Emission Enhancement, Solvatochromic, and Mechanochromic Fluorescence Features. <i>Frontiers in Chemistry</i> , 2021, 9, 811294.	1.8	5
60	Recent Advances in Mechanochromism of Metal-Organic Compounds. <i>Frontiers in Chemistry</i> , 2022, 10, 865198.	1.8	5
61	Dialkyl Sulfobetaine Surfactants Derived from Guerbet Alcohol Polyoxypropylene- <i>l</i> -Polyoxyethylene Ethers for SP Flooding of High Temperature and High Salinity Reservoirs. <i>Journal of Surfactants and Detergents</i> , 2021, 24, 421-432.	1.0	2
62	Silver nanoparticles combined with amino-functionalized UiO-66 for sensitive detection of glutathione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 267, 120617.	2.0	2
63	Editorial: Stimuli-Responsive Emissive Organic and Metal-Organic Compounds. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	1