List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Fluorescent Sensors Based on Aggregation-Induced Emission: Recent Advances and Perspectives. ACS Sensors, 2017, 2, 1382-1399.	7.8	521
2	Specific Lightâ€Up Bioprobe with Aggregationâ€Induced Emission and Activatable Photoactivity for the Targeted and Imageâ€Guided Photodynamic Ablation of Cancer Cells. Angewandte Chemie - International Edition, 2015, 54, 1780-1786.	13.8	461
3	Mitochondriaâ€Targeted Cancer Therapy Using a Lightâ€Up Probe with Aggregationâ€Inducedâ€Emission Characteristics. Angewandte Chemie - International Edition, 2014, 53, 14225-14229.	13.8	361
4	Fluorescent Light-Up Detection of Amine Vapors Based on Aggregation-Induced Emission. ACS Sensors, 2016, 1, 179-184.	7.8	218
5	Benzothiazolium-functionalized tetraphenylethene: an AIE luminogen with tunable solid-state emission. Chemical Communications, 2012, 48, 8637.	4.1	205
6	A fluorescent light-up probe with "AlE + ESIPT―characteristics for specific detection of lysosomal esterase. Journal of Materials Chemistry B, 2014, 2, 3438-3442.	5.8	185
7	Spontaneous Amino-yne Click Polymerization: A Powerful Tool toward Regio- and Stereospecific Poly(β-aminoacrylate)s. Journal of the American Chemical Society, 2017, 139, 5437-5443.	13.7	177
8	Ratiometric detection and imaging of endogenous hypochlorite in live cells and in vivo achieved by using an aggregation induced emission (AIE)-based nanoprobe. Chemical Communications, 2016, 52, 7288-7291.	4.1	146
9	A New Facile Approach to the Synthesis of 3-Methylthio-Substituted Furans, Pyrroles, Thiophenes, and Related Derivatives. Journal of Organic Chemistry, 2008, 73, 3377-3383.	3.2	141
10	A highly selective fluorescent nanoprobe based on AIE and ESIPT for imaging hydrogen sulfide in live cells and zebrafish. Materials Chemistry Frontiers, 2017, 1, 838-845.	5.9	132
11	Photoactivatable aggregation-induced emission probes for lipid droplets-specific live cell imaging. Chemical Science, 2017, 8, 1763-1768.	7.4	128
12	AIE-based cancer theranostics. Coordination Chemistry Reviews, 2020, 402, 213076.	18.8	127
13	An easily accessible aggregation-induced emission probe for lipid droplet-specific imaging and movement tracking. Chemical Communications, 2017, 53, 921-924.	4.1	118
14	A fluorescent light-up probe based on AIE and ESIPT processes for β-galactosidase activity detection and visualization in living cells. Journal of Materials Chemistry B, 2015, 3, 9168-9172.	5.8	115
15	Novel and Direct Transformation of Methyl Ketones or Carbinols to Primary Amides by Employing Aqueous Ammonia. Organic Letters, 2009, 11, 3810-3813.	4.6	111
16	An Efficient Synthesis of Hydantoins via Sustainable Integration of Coupled Domino Processes. Organic Letters, 2010, 12, 4026-4029.	4.6	107
17	Mitochondria―and Lysosomesâ€Targeted Synergistic Chemoâ€Photodynamic Therapy Associated with Selfâ€Monitoring by Dual Lightâ€Up Fluorescence. Advanced Functional Materials, 2018, 28, 1804362.	14.9	101
18	A fluorescent light-up probe with AIE characteristics for specific mitochondrial imaging to identify differentiating brown adipose cells. Chemical Communications, 2014, 50, 8312-8315.	4.1	100

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19	Efficient Red/Nearâ€Infrared Fluorophores Based on Benzo[1,2â€ <i>b</i> :4,5â€ <i>b</i> â€2]dithiophene 1,1,5,5â€Tetraoxide for Targeted Photodynamic Therapy and In Vivo Twoâ€Photon Fluorescence Bioimaging. Advanced Functional Materials, 2018, 28, 1706945.	14.9	96
20	Copper-Catalyzed Polycoupling of Diynes, Primary Amines, and Aldehydes: A New One-Pot Multicomponent Polymerization Tool to Functional Polymers. Macromolecules, 2014, 47, 4908-4919.	4.8	89
21	A fluorescence-switchable luminogen in the solid state: a sensitive and selective sensor for the fast "turn-on―detection of primary amine gas. Chemical Communications, 2013, 49, 4848.	4.1	85
22	A Multifunctional Probe with Aggregationâ€Induced Emission Characteristics for Selective Fluorescence Imaging and Photodynamic Killing of Bacteria Over Mammalian Cells. Advanced Healthcare Materials, 2015, 4, 659-663.	7.6	85
23	Formation of Unsymmetrical 1,4-Enediones via A Focusing Domino Strategy: Cross-Coupling of 1,3-Dicarbonyl Compounds and Methyl Ketones or Terminal Aryl Alkenes. Organic Letters, 2010, 12, 1856-1859.	4.6	73
24	Targeted imaging of EGFR overexpressed cancer cells by brightly fluorescent nanoparticles conjugated with cetuximab. Nanoscale, 2016, 8, 15027-15032.	5.6	70
25	Aggregation-Induced Emission Probe for Study of the Bactericidal Mechanism of Antimicrobial Peptides. ACS Applied Materials & Interfaces, 2018, 10, 11436-11442.	8.0	70
26	Light-up bioprobe with aggregation-induced emission characteristics for real-time apoptosis imaging in target cancer cells. Journal of Materials Chemistry B, 2014, 2, 231-238.	5.8	69
27	On-demand storage and release of antimicrobial peptides using Pandora's box-like nanotubes gated with a bacterial infection-responsive polymer. Theranostics, 2020, 10, 109-122.	10.0	68
28	A fluorescent light-up platform with "AIE + ESIPT―characteristics for multi-target detection both in solution and on paper strip. Journal of Materials Chemistry B, 2015, 3, 1590-1596.	5.8	67
29	Biomimetic cartilage-lubricating polymers regenerate cartilage in rats with early osteoarthritis. Nature Biomedical Engineering, 2021, 5, 1189-1201.	22.5	67
30	Superassembled Biocatalytic Porous Framework Micromotors with Reversible and Sensitive pH‧peed Regulation at Ultralow Physiological H ₂ O ₂ Concentration. Advanced Functional Materials, 2019, 29, 1808900.	14.9	66
31	A Cell Apoptosis Probe Based on Fluorogen with Aggregation Induced Emission Characteristics. ACS Applied Materials & Interfaces, 2015, 7, 4875-4882.	8.0	65
32	Fabrication of Chitosan Nanoparticles with Aggregationâ€Induced Emission Characteristics and Their Applications in Longâ€Term Live Cell Imaging. Macromolecular Rapid Communications, 2013, 34, 767-771.	3.9	63
33	Interfacial Assembly of Mesoporous Silicaâ€Based Optical Heterostructures for Sensing Applications. Advanced Functional Materials, 2020, 30, 1906950.	14.9	62
34	Aggregation-induced emission probes for cancer theranostics. Drug Discovery Today, 2017, 22, 1288-1294.	6.4	59
35	Aggregation-Induced Emission Probe for Light-Up and in Situ Detection of Calcium Ions at High Concentration. ACS Applied Materials & Interfaces, 2018, 10, 14410-14417.	8.0	58
36	<i>In situ</i> generation of photoactivatable aggregation-induced emission probes for organelle-specific imaging. Chemical Science, 2018, 9, 5730-5735.	7.4	57

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37	Periodic mesoporous organosilicas for ultra-high selective copper(<scp>ii</scp>) detection and sensing mechanism. Journal of Materials Chemistry A, 2014, 2, 1493-1501.	10.3	55
38	Fusion peptide engineered "statically-versatile―titanium implant simultaneously enhancing anti-infection, vascularization and osseointegration. Biomaterials, 2021, 264, 120446.	11.4	52
39	A two-photon AlEgen for simultaneous dual-color imaging of atherosclerotic plaques. Materials Horizons, 2019, 6, 546-553.	12.2	49
40	Efficient Polymerization of Azide and Active Internal Alkynes. Macromolecular Rapid Communications, 2012, 33, 1356-1361.	3.9	47
41	Distinct optical and kinetic responses from E/Z isomers of caspase probes with aggregation-induced emission characteristics. Journal of Materials Chemistry B, 2014, 2, 4363-4370.	5.8	47
42	Auto-tandem catalysis: synthesis of 4H-pyrido[1,2-a]pyrimidin-4-ones via copper-catalyzed aza-Michael addition–aerobic dehydrogenation–intramolecular amidation. Chemical Communications, 2013, 49, 1729.	4.1	44
43	Adaptive Chirality of an Achiral Cage: Chirality Transfer, Induction, and Circularly Polarized Luminescence through Aqueous Host–Guest Complexation. CCS Chemistry, 2021, 3, 2749-2763.	7.8	44
44	Effects of hydrothermal pretreatment on the mono- and co-digestion of waste activated sludge and wheat straw. Science of the Total Environment, 2020, 732, 139312.	8.0	42
45	A facile synthesis of indole–furan conjugates via integration of convergent and linear domino reactions. Tetrahedron, 2011, 67, 5142-5149.	1.9	40
46	Aggregationâ€Induced Emission Active Probe for Lightâ€Up Detection of Anionic Surfactants and Washâ€Free Bacterial Imaging. Chemistry - A European Journal, 2016, 22, 5107-5112.	3.3	40
47	A new route to functional polymers: atom-economical synthesis of poly(pyrazolylnaphthalene)s by rhodium-catalyzed oxidative polycoupling of phenylpyrazole and internal diynes. Polymer Chemistry, 2013, 4, 2841.	3.9	39
48	Convergent domino synthesis of 1,2,3-triaroylindolizines from methyl ketones and pyridines via self-division of labor strategy. Tetrahedron, 2012, 68, 7338-7344.	1.9	38
49	Light up detection of heparin based on aggregation-induced emission and synergistic counter ion displacement. Chemical Communications, 2017, 53, 4795-4798.	4.1	37
50	Long-Term Tracking of the Osteogenic Differentiation of Mouse BMSCs by Aggregation-Induced Emission Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 17878-17884.	8.0	36
51	Introductory lecture: recent research progress on aggregation-induced emission. Faraday Discussions, 2017, 196, 9-30.	3.2	36
52	An AIE-active theranostic probe for light-up detection of AÎ ² aggregates and protection of neuronal cells. Journal of Materials Chemistry B, 2019, 7, 2434-2441.	5.8	36
53	Stereotactic Photodynamic Therapy Using a Twoâ€Photon AIE Photosensitizer. Small, 2019, 15, e1905080.	10.0	35
54	Stoichiometric imbalance-promoted synthesis of polymers containing highly substituted naphthalenes: rhodium-catalyzed oxidative polycoupling of arylboronic acids and internal diynes. Polymer Chemistry, 2013, 4, 1372-1380.	3.9	34

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55	Synthesis of Tetrasubstituted Unsymmetrical 1,4-Enediones via Copper-Promoted Autotandem Catalysis and Air As the Oxidant. Journal of Organic Chemistry, 2013, 78, 5418-5426.	3.2	34
56	Functionalization of composite bacterial cellulose with C ₆₀ nanoparticles for wound dressing and cancer therapy. RSC Advances, 2018, 8, 18197-18203.	3.6	32
57	AlEâ€Based Theranostic Probe for Sequential Imaging and Killing of Bacteria and Cancer Cells. Advanced Optical Materials, 2020, 8, 1902191.	7.3	31
58	Synthesis of trisubstituted isoxazoles via in situ trapping strategy from α-nitro carbonyl compounds and methyl ketones or terminal aryl alkenes. Tetrahedron, 2012, 68, 6257-6262.	1.9	30
59	Highly sensitive and selective detection of Cu(<scp>ii</scp>) by periodic mesoporous rhodamine derivative-based organosilicas with crystal-like pore walls. Journal of Materials Chemistry A, 2013, 1, 1319-1325.	10.3	30
60	Bright and biocompatible AIE polymeric nanoparticles prepared from miniemulsion for fluorescence cell imaging. Polymer Chemistry, 2016, 7, 5571-5578.	3.9	30
61	Sensor for Nitrophenol Based on a Fluorescent Molecular Clip. Organic Letters, 2009, 11, 2603-2606.	4.6	27
62	Supramolecular Rhombic Grids Formed from Bimolecular Building Blocks. Journal of the American Chemical Society, 2009, 131, 11695-11697.	13.7	27
63	Target-oriented synthesis: miscellaneous synthetic routes to access 1,4-enediones through the coupling of 1,3-dicarbonyl compounds with multiform substrates. Tetrahedron, 2013, 69, 6392-6398.	1.9	27
64	Aged landfill leachate enhances anaerobic digestion of waste activated sludge. Journal of Environmental Management, 2021, 293, 112853.	7.8	26
65	Frontier luminous strategy of functional silica nanohybrids in sensing and bioimaging: From ACQ to AIE. Aggregate, 2022, 3, e121.	9.9	26
66	Association of Genetic Variants in the Adiponectin Gene with Metabolic Syndrome: A Case-Control Study and a Systematic Meta-Analysis in the Chinese Population. PLoS ONE, 2013, 8, e58412.	2.5	25
67	Photoactivatable dihydroalkaloids for cancer cell imaging and chemotherapy with high spatiotemporal resolution. Materials Horizons, 2020, 7, 2696-2701.	12.2	24
68	Electrospinning Superassembled Mesoporous AIEgen–Organosilica Frameworks Featuring Diversified Forms and Superstability for Wearable and Washable Solid-State Fluorescence Smart Sensors. Analytical Chemistry, 2021, 93, 2367-2376.	6.5	23
69	A concise and efficient way to synthesize polyenic diones directly from α,β-unsaturated methyl ketones. Tetrahedron, 2009, 65, 6047-6049.	1.9	22
70	Red-to-NIR emissive radical cations derived from simple pyrroles. Materials Horizons, 2021, 8, 3082-3087.	12.2	22
71	Design, synthesis and anti-inflammatory activity of 3-amino acid derivatives of ocotillol-type sapogenins. European Journal of Medicinal Chemistry, 2020, 202, 112507.	5.5	20
72	Deep insights into the anaerobic co-digestion of waste activated sludge with concentrated leachate under different salinity stresses. Science of the Total Environment, 2022, 838, 155922.	8.0	20

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73	Visualizing phase transition of upper critical solution temperature (UCST) polymers with AIE. Science China Chemistry, 2021, 64, 403-407.	8.2	19
74	An Efficient Method for the Selective Iodination of α,β-Unsaturated Ketones. Synthesis, 2008, 2008, 3675-3681.	2.3	18
75	Co-digestive performance of food waste and hydrothermal pretreated corn cob. Science of the Total Environment, 2021, 768, 144448.	8.0	18
76	Mechanism study of improving anaerobic co-digestion performance of waste activated sludge and food waste by Fe3O4. Journal of Environmental Management, 2021, 300, 113745.	7.8	18
77	Peptideâ€Engineered AIE Nanofibers with Excellent and Precisely Adjustable Antibacterial Activity. Small, 2022, 18, e2108030.	10.0	18
78	Synthesis of α-iodoketals from methyl ketones via sustainable and orthogonal tandem catalysis. Organic and Biomolecular Chemistry, 2013, 11, 1226.	2.8	17
79	Polyannulation of internal alkynes and O-acyloxime derivatives to synthesize functional poly(isoquinoline)s. Polymer Chemistry, 2016, 7, 5436-5444.	3.9	17
80	AlEgen quantitatively monitoring the release of Ca2+ during swelling and degradation process in alginate hydrogels. Materials Science and Engineering C, 2019, 104, 109951.	7.3	17
81	Dual detection of bioaccumulated Hg ²⁺ based on luminescent bacteria and aggregation-induced emission. Chemical Communications, 2019, 55, 7458-7461.	4.1	17
82	Mitochondria-anchoring and AIE-active photosensitizer for self-monitored cholangiocarcinoma therapy. Materials Chemistry Frontiers, 2020, 4, 3201-3208.	5.9	17
83	Direct Conversion of Aromatic Ketones to Arenecarboxylic Esters via Carbon–Carbon Bond-Cleavage Reactions. Bulletin of the Chemical Society of Japan, 2008, 81, 369-372.	3.2	16
84	Self-Assembly of Discrete and Polymeric Metal-Organic Frameworks via a Semirigid Glycoluril-Based Molecular Clip. Crystal Growth and Design, 2008, 8, 1645-1653.	3.0	15
85	A new route to construct 1,2-dihydroquinoxaline and 1,4-benzoxazine derivatives stereoselectively and its application to novel pyrazolo[1,5- $\hat{1}$ +]quinoxaline oxides. Tetrahedron, 2013, 69, 1849-1856.	1.9	15
86	One-step, rapid fluorescence sensing of fungal viability based on a bioprobe with aggregation-induced emission characteristics. Materials Chemistry Frontiers, 2020, 4, 957-964.	5.9	15
87	Tetrameric molecular bowl assembled from glycoluril building blocks. Chemical Communications, 2008, , 3133.	4.1	13
88	AIE-Active and Thermoresponsive Alternating Polyurethanes of Bile Acid and PEG for Cell Imaging. ACS Applied Polymer Materials, 2019, 1, 2973-2980.	4.4	13
89	Substrate-controlled and highly stereoselective synthesis of 2-aminobut-2-ene-1, 4-diones. Tetrahedron, 2012, 68, 3828-3834.	1.9	12
90	Microgrooved collagen-based corneal scaffold for promoting collective cell migration and antifibrosis. RSC Advances, 2019, 9, 29463-29473.	3.6	12

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91	Synthesis and Structure–Activity Relationship of Pyxinol Derivatives as Novel Anti-Inflammatory Agents. ACS Medicinal Chemistry Letters, 2020, 11, 457-463.	2.8	12
92	Pyxinol bearing amino acid residues: Easily achievable and promising modulators of P-glycoprotein-mediated multidrug resistance. European Journal of Medicinal Chemistry, 2021, 216, 113317.	5.5	11
93	A Novel and Highly Regioselective Route to Construct Methylthio-Substituted Pyridazines from Aryl Methyl Ketones at Room Temperature. Synlett, 2012, 23, 2137-2141.	1.8	10
94	Mesoporous Silica Materials: Interfacial Assembly of Mesoporous Silicaâ€Based Optical Heterostructures for Sensing Applications (Adv. Funct. Mater. 9/2020). Advanced Functional Materials, 2020, 30, 2070057.	14.9	10
95	One-pot quaternization of dual-responsive poly(vinyl alcohol) with AIEgens for pH-switchable imaging and killing of bacteria. Materials Chemistry Frontiers, 2020, 4, 2635-2645.	5.9	10
96	"Biowheel-Axle―Assembly of β-Cyclodextrin Fitted onto Bile Acid Units Linked by PEG Spacers through Inclusion Polymerization. Macromolecules, 2018, 51, 8455-8460.	4.8	9
97	Photoluminescence Rainbow from Coelenteramide—A Theoretical Study. Photochemistry and Photobiology, 2019, 95, 563-571.	2.5	9
98	TICT based fluorescent probe with excellent photostability for real-time and long-term imaging of lipid droplets. Tetrahedron Letters, 2019, 60, 1880-1884.	1.4	9
99	<p>Theranostic Nanoparticles with Aggregation-Induced Emission and MRI Contrast Enhancement Characteristics as a Dual-Modal Imaging Platform for Image-Guided Tumor Photodynamic Therapy</p> . International Journal of Nanomedicine, 2020, Volume 15, 3023-3038.	6.7	9
100	Nanotubular non-covalent macrocycle within non-covalent macrocycle assembly: (MeOH)12 encapsulated in a molecular clip cyclododecamer. Chemical Communications, 2010, 46, 4508.	4.1	8
101	Tuning the fluorescence of calcium-discharged photoprotein obelin via mutating at the His22-Phe88-Trp92 triad – a QM/MM studyâ€. Photochemical and Photobiological Sciences, 2019, 18, 1823-1832.	2.9	6
102	Upper Critical Solution Temperature Polyvalent Scaffolds Aggregate and Exterminate Bacteria. Small, 2022, 18, e2107374.	10.0	6
103	Effects of incineration leachate on anaerobic digestion of excess sludge and the related mechanisms. Journal of Environmental Management, 2022, 311, 114831.	7.8	6
104	An Eficient One-Pot Synthesis of Macrocyclic Compounds Possessing Propargylamine Skeletons via Mannich Reaction. Synlett, 2011, 2011, 3046-3052.	1.8	5
105	X-Ray structures and binding properties of molecular clips based on diethoxycarbonyl glycoluril. Canadian Journal of Chemistry, 2007, 85, 586-591.	1.1	4
106	Two-dimensional hydrogen-bonded networks in two novel glycoluril derivatives. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, o69-o72.	0.4	4
107	High-performance tracking of bacterial extracellular vesicles in living systems using an aggregation-induced emission luminogen. Chemical Engineering Journal, 2022, 446, 136847.	12.7	4
108	Rapid and high-throughput testing of antifungal susceptibility using an AIEgen-based analytical system. Biomaterials, 2022, 287, 121618.	11.4	4

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109	Synthesis and Characterization of Iron Particles Hosted in Porous Alumina. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 836-840.	3.7	3
110	Introducing intrinsic disorder reduces electrostatic steering in protein-protein interactions. Biophysical Journal, 2021, 120, 2998-3007.	0.5	3
111	Synthesis of Novel Molecular Clips via Click Chemistry Based on Diethoxy carbonyl Glycoluril. Synlett, 2009, 2009, 315-319.	1.8	2
112	Thioglycoluril as a Novel Organocatalyst: Rapid and Efficient α-Monobromination of 1,3-Dicarbonyl Compounds. Synlett, 2009, 2009, 1445-1448.	1.8	2
113	One-Pot Synthesis of Oxacalixarene Derivatives with Tunable Cavity Size Using Miscellaneous Linkers. Synlett, 2011, 2011, 52-56.	1.8	2
114	Fluorescent <i>In Situ</i> 3D Visualization of Dynamic Corrosion Processes of Magnesium Alloys. ACS Applied Bio Materials, 2022, 5, 2340-2346.	4.6	2
115	Colorimetric Fluoride Sensor Based on a Bisthiourea Functionalized Molecular Clip. Synlett, 2010, 2010, 2553-2556.	1.8	1
116	Hepatotoxicity Comparison of Crude and Licorice-Processed Euodiae Fructus in Rats With Stomach Excess-Cold Syndrome. Frontiers in Pharmacology, 2021, 12, 756276.	3.5	1
117	Notice of Retraction: ABCC8 and Type 2 Diabetes: A Global Meta-Analysis. , 2011, , .		0
118	Rhodium-Catalyzed Oxidative Polycoupling of Phenylpyrazole and Internal Diynes: A New Polymerization Route for Atom-Economical Synthesis of Poly(pyrazolylnaphthalene)s. Materials Research Society Symposia Proceedings, 2014, 1613, 3-15.	0.1	0
119	Photo-triggered Zn2+ release for the regulation of zinc enzymes. Materials Chemistry Frontiers, 2021, 5, 1824-1829.	5.9	0

120 Upper Critical Solution Temperature Polyvalent Scaffolds Aggregate and Exterminate Bacteria (Small) Tj ETQq0 0 0 rgBT /Overlock 10 Tf