

Tony D James

List of Publications by Year in descending order

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415
papers

29,016
citations

5574

82
h-index

7518

151
g-index

468
all docs

468
docs citations

468
times ranked

18393
citing authors

#	ARTICLE	IF	CITATIONS
1	A practical strategy to develop isoform-selective near-infrared fluorescent probes for human cytochrome P450 enzymes. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1976-1986.	12.0	11
2	Visual identification of gut bacteria and determination of natural inhibitors using a fluorescent probe selective for PGP-1. <i>Analytica Chimica Acta</i> , 2022, 1191, 339280.	5.4	6
3	Rational Design of a Two-Photon Fluorescent Probe for Human Cytochrome P450 3A and the Visualization of Mechanism-Based Inactivation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	19
4	Rational Design of a Two-Photon Fluorescent Probe for Human Cytochrome P450 3A and the Visualization of Mechanism-Based Inactivation. <i>Angewandte Chemie</i> , 2022, 134, e202113191.	2.0	1
5	Self-assembling fluorescent hydrogel for highly efficient water purification and photothermal conversion. <i>Chemical Engineering Journal</i> , 2022, 431, 134245.	12.7	39
6	Fluorescent probes for the detection of disease-associated biomarkers. <i>Science Bulletin</i> , 2022, 67, 853-878.	9.0	110
7	Polymer indicator displacement assay: electrochemical glucose monitoring based on boronic acid receptors and graphene foam competitively binding with poly-nordihydroguaiaretic acid. <i>Analyst</i> , The, 2022, 147, 661-670.	3.5	3
8	A molecular recognition platform for the simultaneous sensing of diverse chemical weapons. <i>Chemical Science</i> , 2022, 13, 4523-4532.	7.4	55
9	Near-infrared fluorescent probe for hydrogen sulfide: high-fidelity ferroptosis evaluation <i>in vivo</i> during stroke. <i>Chemical Science</i> , 2022, 13, 2992-3001.	7.4	44
10	Targeted delivery of maytansine to liver cancer cells <i>via</i> galactose-modified supramolecular two-dimensional glycomaterial. <i>Chemical Communications</i> , 2022, 58, 5029-5032.	4.1	6
11	Sustainable Afterglow Room-Temperature Phosphorescence Emission Materials Generated Using Natural Phenolics. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	7
12	Sustainable Afterglow Room-Temperature Phosphorescence Emission Materials Generated Using Natural Phenolics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	28
13	A spiropyran with low pKa for tracking DNA G-quadruplexes and revealing the dissipation of H^+ with senescence using an in-situ switching strategy. <i>Sensors and Actuators B: Chemical</i> , 2022, 359, 131618.	7.8	7
14	Dual-Channel Fluorescent Probe for the Simultaneous Monitoring of Peroxynitrite and Adenosine-5'-triphosphate in Cellular Applications. <i>Journal of the American Chemical Society</i> , 2022, 144, 174-183.	13.7	89
15	Special issue on "Molecular sensors and molecular logic gates". <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 1-3.	4.4	3
16	Reducing Valence States of Co Active Sites in a Single-Atom Nanozyme for Boosted Tumor Therapy. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	47
17	Simultaneous tracking of autophagy and oxidative stress during stroke with an ICT-TBET integrated ratiometric two-photon platform. <i>Chemical Science</i> , 2022, 13, 5363-5373.	7.4	28
18	Repurposing lignin to generate functional afterglow paper. <i>Cell Reports Physical Science</i> , 2022, 3, 100867.	5.6	3

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19	Nanococktail Based on Supramolecular Glyco-Assembly for Eradicating Tumors <i>In Vivo</i> . ACS Applied Materials & Interfaces, 2022, 14, 20749-20761.	8.0	9
20	mtDNA-Specific Ultrasensitive Near-Infrared Fluorescent Probe Enables the Differentiation of Healthy and Apoptotic Cells. Analytical Chemistry, 2022, 94, 7510-7519.	6.5	10
21	An upcycled wood sponge adsorbent for drinking water purification by solar steam generation. Environmental Science: Nano, 2022, 9, 2559-2571.	4.3	5
22	Visual Sensing of Î²-Glucosidase From Intestinal Fungus in the Generation of Cytotoxic Icarisid II. Frontiers in Chemistry, 2022, 10, .	3.6	2
23	Fluorescent probes and functional materials for biomedical applications. Frontiers of Chemical Science and Engineering, 2022, 16, 1425-1437.	4.4	12
24	Indicator displacement assays (IDAs): the past, present and future. Chemical Society Reviews, 2021, 50, 9-38.	38.1	139
25	Current strategies for the development of fluorescence-based molecular probes for visualizing the enzymes and proteins associated with Alzheimer's disease. Coordination Chemistry Reviews, 2021, 427, 213553.	18.8	39
26	Fluorescent probes for the imaging of lipid droplets in live cells. Coordination Chemistry Reviews, 2021, 427, 213577.	18.8	123
27	The Bull-James assembly: Efficient iminoboronate complex formation for chiral derivatization and supramolecular assembly. Coordination Chemistry Reviews, 2021, 428, 213599.	18.8	19
28	Theoretical evaluation of the carbene-based site-selectivity in gold(III)-catalyzed annulations of alkynes with anthranils. Chemical Communications, 2021, 57, 1494-1497.	4.1	5
29	Organic/inorganic supramolecular nano-systems based on host/guest interactions. Coordination Chemistry Reviews, 2021, 428, 213609.	18.8	31
30	Stress response decay with aging visualized using a dual-channel logic-based fluorescent probe. Chemical Science, 2021, 12, 13483-13491.	7.4	24
31	TCF-ALP: a fluorescent probe for the selective detection of Staphylococcus bacteria and application in smart wound dressings. Biomaterials Science, 2021, 9, 4433-4439.	5.4	14
32	Two-photon ESIPT-based fluorescent probe using 4-hydroxyisoindoline-1,3-dione for the detection of peroxynitrite. Chemical Communications, 2021, 57, 11084-11087.	4.1	37
33	Racemases and epimerases operating through a 1,1-proton transfer mechanism: reactivity, mechanism and inhibition. Chemical Society Reviews, 2021, 50, 5952-5984.	38.1	9
34	Metal-organic frameworks (MOFs) as host materials for the enhanced delivery of biomacromolecular therapeutics. Chemical Communications, 2021, 57, 12098-12110.	4.1	51
35	Graphene nanoribbon-based supramolecular ensembles with dual-receptor targeting function for targeted photothermal tumor therapy. Chemical Science, 2021, 12, 11089-11097.	7.4	16
36	C4-aldehyde of guaiazulene: synthesis and derivatisation. Organic and Biomolecular Chemistry, 2021, 19, 2502-2511.	2.8	6

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37	Two-photon small-molecule fluorescence-based agents for sensing, imaging, and therapy within biological systems. <i>Chemical Society Reviews</i> , 2021, 50, 702-734.	38.1	187
38	Fluorescent probe for the imaging of superoxide and peroxynitrite during drug-induced liver injury. <i>Chemical Science</i> , 2021, 12, 3921-3928.	7.4	99
39	Activation and Monitoring of mtDNA Damage in Cancer Cells via the "Proton-Triggered" Decomposition of an Ultrathin Nanosheet. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3669-3678.	8.0	8
40	Coumarin-based fluorescent probe for the detection of glutathione and nitroreductase. <i>Tetrahedron</i> , 2021, 82, 131890.	1.9	5
41	The Evaluation of Ester Functionalised TCF-Based Fluorescent Probes for the Detection of Bacterial Species. <i>Israel Journal of Chemistry</i> , 2021, 61, 234-238.	2.3	13
42	Recent progresses and remaining challenges for the detection of Zika virus. <i>Medicinal Research Reviews</i> , 2021, 41, 2039-2108.	10.5	16
43	Forum on Biospecies Sensors. <i>ACS Applied Bio Materials</i> , 2021, 4, 2231-2232.	4.6	0
44	Two-Dimensional Design Strategy to Construct Smart Fluorescent Probes for the Precise Tracking of Senescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10756-10765.	13.8	65
45	Two-Dimensional Design Strategy to Construct Smart Fluorescent Probes for the Precise Tracking of Senescence. <i>Angewandte Chemie</i> , 2021, 133, 10851-10860.	2.0	6
46	Highly sensitive and selective water-soluble fluorescent probe for the detection of formaldehyde in leather products. <i>Dyes and Pigments</i> , 2021, 188, 109175.	3.7	19
47	Dual-locked spectroscopic probes for sensing and therapy. <i>Nature Reviews Chemistry</i> , 2021, 5, 406-421.	30.2	144
48	Fluorescent probes for the detection and imaging of Cytochrome P450. <i>Coordination Chemistry Reviews</i> , 2021, 437, 213740.	18.8	25
49	A Molecular-Splicing Strategy for Constructing a Near-Infrared Fluorescent Probe for UDP-Glucuronosyltransferase 1A1. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24566-24572.	13.8	33
50	2D Strategy for the Construction of an Enzyme-Activated NIR Fluorophore Suitable for the Visual Sensing and Profiling of Homologous Nitroreductases from Various Bacterial Species. <i>ACS Sensors</i> , 2021, 6, 3348-3356.	7.8	7
51	Long-Wavelength AIE-Based Fluorescent Probes for Mitochondria-Targeted Imaging and Photodynamic Therapy of Hepatoma Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 7016-7024.	4.6	15
52	Benzothiazolium Derivative-Capped Silica Nanocomposites for β -Amyloid Imaging <i>In Vivo</i> . <i>Analytical Chemistry</i> , 2021, 93, 12617-12627.	6.5	16
53	Sustainable afterglow materials from lignin inspired by wood phosphorescence. <i>Cell Reports Physical Science</i> , 2021, 2, 100542.	5.6	21
54	Enzyme Mimics for Engineered Biomimetic Cascade Nanoreactors: Mechanism, Applications, and Prospects. <i>Advanced Functional Materials</i> , 2021, 31, 2106139.	14.9	82

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55	Fluorescent Chemosensors for Ion and Molecule Recognition: The Next Chapter. <i>Frontiers in Sensors</i> , 2021, 2, .	3.3	15
56	Amphiphilic engineering of reduced graphene oxides using a carbon nitride coating for superior removal of organic pollutants from wastewater. <i>Carbon</i> , 2021, 184, 479-491.	10.3	7
57	Imaging strategies using cyanine probes and materials for biomedical visualization of live animals. <i>Coordination Chemistry Reviews</i> , 2021, 447, 214134.	18.8	26
58	A ratiometric fluorescent hydrogel of controlled thickness prepared continuously using microtomy for the detection and removal of Hg(II). <i>Chemical Engineering Journal</i> , 2021, 426, 131296.	12.7	29
59	Low-dimensional nanomaterials for antibacterial applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3640-3661.	5.8	36
60	Green Fluorescent Protein GFP-Chromophore-Based Probe for the Detection of Mitochondrial Viscosity in Living Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 2128-2134.	4.6	24
61	Small-molecule fluorescence-based probes for interrogating major organ diseases. <i>Chemical Society Reviews</i> , 2021, 50, 9391-9429.	38.1	176
62	Fluorescent small organic probes for biosensing. <i>Chemical Science</i> , 2021, 12, 3406-3426.	7.4	249
63	Azulene-based fluorescent chemosensor for adenosine diphosphate. <i>Chemical Communications</i> , 2021, 57, 10608-10611.	4.1	10
64	Small molecule based fluorescent chemosensors for imaging the microenvironment within specific cellular regions. <i>Chemical Society Reviews</i> , 2021, 50, 12098-12150.	38.1	236
65	Versatile Ratiometric Fluorescent Probe Based on the Two-Isophorone Fluorophore for Sensing Nitroxyl. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 15913-15920.	3.7	10
66	Dual-factor Synergistically Activated ESIPT-based Probe: Differential Fluorescence Signals to Simultaneously Detect 1-Naphthyl Acetate and Acid 1-Naphthyl Acetate Esterase. <i>Analytical Chemistry</i> , 2021, 93, 14471-14480.	6.5	6
67	Near-Infrared Light-Triggered Bacterial Eradication Using a Nanowire Nanocomposite of Graphene Nanoribbons and Chitosan-Coated Silver Nanoparticles. <i>Frontiers in Chemistry</i> , 2021, 9, 767847.	3.6	4
68	Ferrocene-Labelled Electroactive Aptamer-Based Sensors (Aptasensors) for Glycated Haemoglobin. <i>Molecules</i> , 2021, 26, 7077.	3.8	2
69	A boronic acid-based fluorescent hydrogel for monosaccharide detection. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 112-116.	4.4	27
70	Dual enzyme activated fluorescein based fluorescent probe. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 117-121.	4.4	15
71	A simple, azulene-based colorimetric probe for the detection of nitrite in water. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 90-96.	4.4	21
72	Mechanistic insights into the origin of substituent-directed product E selectivity for gold-catalyzed [4+1]-annulations of 1,4-diyn-3-ols with isoxazoles: A DFT study. <i>Molecular Catalysis</i> , 2020, 480, 110647.	2.0	5

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73	A fluorogenic probe for tracking GSH flux in developing neurons. <i>Chemical Communications</i> , 2020, 56, 515-518.	4.1	23
74	Protein encapsulation: a new approach for improving the capability of small-molecule fluorogenic probes. <i>Chemical Science</i> , 2020, 11, 1107-1113.	7.4	49
75	Colorimetric assay for the rapid determination of free-base nicotine in e-liquid. <i>Analytical Methods</i> , 2020, 12, 193-199.	2.7	5
76	A Three-Component Derivatization Protocol for Determining the Enantiopurity of Sulfinamides by ¹ H and ¹⁹ F NMR Spectroscopy. <i>Journal of Organic Chemistry</i> , 2020, 85, 1208-1215.	3.2	8
77	Azulen-sulfonium and azulenebis(sulfonium) salts: Formation by interrupted Pummerer reaction and subsequent derivatisation by nucleophiles. <i>Tetrahedron</i> , 2020, 76, 131700.	1.9	5
78	Analysis of extracellular vesicles as emerging theranostic nanoplateforms. <i>Coordination Chemistry Reviews</i> , 2020, 424, 213506.	18.8	31
79	Förster resonance energy transfer (FRET)-based small-molecule sensors and imaging agents. <i>Chemical Society Reviews</i> , 2020, 49, 5110-5139.	38.1	516
80	A glycoconjugate-based gold nanoparticle approach for the targeted treatment of <i>Pseudomonas aeruginosa</i> biofilms. <i>Nanoscale</i> , 2020, 12, 23234-23240.	5.6	21
81	Pinkment: a synthetic platform for the development of fluorescent probes for diagnostic and theranostic applications. <i>Chemical Science</i> , 2020, 11, 8567-8571.	7.4	26
82	Photochromic Fluorescent Probe Strategy for the Super-resolution Imaging of Biologically Important Biomarkers. <i>Journal of the American Chemical Society</i> , 2020, 142, 18005-18013.	13.7	118
83	Colorimetric detection of Hg ²⁺ with an azulene-containing chemodosimeter <i>via</i> dithioacetal hydrolysis. <i>Analyst</i> , 2020, 145, 6262-6269.	3.5	21
84	Visual High-Throughput Screening for Developing a Fatty Acid Amide Hydrolase Natural Inhibitor Based on an Enzyme-Activated Fluorescent Probe. <i>Analytical Chemistry</i> , 2020, 92, 9493-9500.	6.5	12
85	Coumarin-based fluorescent probe for the rapid detection of peroxynitrite <i>AND</i> ™ biological thiols. <i>RSC Advances</i> , 2020, 10, 13496-13499.	3.6	14
86	A molecular-logic gate for COX-2 and NAT based on conformational and structural changes: visualizing the progression of liver disease. <i>Chemical Science</i> , 2020, 11, 6209-6216.	7.4	18
87	High-throughput assay for determining enantiomeric excess of chiral diols, amino alcohols, and amines and for direct asymmetric reaction screening. <i>Nature Protocols</i> , 2020, 15, 2203-2229.	12.0	23
88	A fluorescent ESIPT-based benzimidazole platform for the ratiometric two-photon imaging of ONOO [•] <i>in vitro</i> and <i>ex vivo</i> . <i>Chemical Science</i> , 2020, 11, 7329-7334.	7.4	39
89	Protein Encapsulation: A Nanocarrier Approach to the Fluorescence Imaging of an Enzyme-Based Biomarker. <i>Frontiers in Chemistry</i> , 2020, 8, 389.	3.6	22
90	The mechanics of supramolecular chemistry. <i>Chemical Communications</i> , 2020, 56, 6467-6468.	4.1	2

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91	Enhanced Colorimetric Differentiation between <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> Using a Shape-Encoded Sensor Hydrogel. <i>ACS Applied Bio Materials</i> , 2020, 3, 4398-4407.	4.6	17
92	Engineering a ratiometric fluorescent sensor membrane containing carbon dots for efficient fluoride detection and removal. <i>Chemical Engineering Journal</i> , 2020, 399, 125741.	12.7	41
93	Visualization of penicillin G acylase in bacteria and high-throughput screening of natural inhibitors using a ratiometric fluorescent probe. <i>Chemical Communications</i> , 2020, 56, 4640-4643.	4.1	14
94	Metal-based imaging agents: progress towards interrogating neurodegenerative disease. <i>Chemical Society Reviews</i> , 2020, 49, 2886-2915.	38.1	56
95	Sensing Peroxynitrite in Different Organelles of Murine RAW264.7 Macrophages With Coumarin-Based Fluorescent Probes. <i>Frontiers in Chemistry</i> , 2020, 8, 39.	3.6	15
96	Hierarchically porous zirconium dioxide dual-templated by acacia mangium tannin extract and an amphiphilic triblock copolymer. <i>Materials Chemistry and Physics</i> , 2020, 253, 123335.	4.0	3
97	Mechanistic insights into the novel glucose-sensitive behavior of P(NIPAM-co-2-AAPBA). <i>Science China Chemistry</i> , 2020, 63, 377-385.	8.2	11
98	A Colorimetric Chemosensor Based on a Nozoe Azulene That Detects Fluoride in Aqueous/Alcoholic Media. <i>Frontiers in Chemistry</i> , 2020, 8, 10.	3.6	28
99	Activity-Based Sensing: Achieving Chemical Selectivity through Chemical Reactivity. <i>Accounts of Chemical Research</i> , 2020, 53, 1-1.	15.6	11
100	Special issue on “Fluorescent probes”. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 1-3.	4.4	2
101	Boronate ester cross-linked PVA hydrogels for the capture and H ₂ O ₂ -mediated release of active fluorophores. <i>Chemical Communications</i> , 2020, 56, 5516-5519.	4.1	19
102	Supramolecular fluorogenic peptide sensor array based on graphene oxide for the differential sensing of ebola virus. <i>Chemical Communications</i> , 2020, 56, 5735-5738.	4.1	22
103	Bio-Conjugated Advanced Materials for Targeted Disease Theranostics. <i>Advanced Functional Materials</i> , 2020, 30, 1907906.	14.9	51
104	A general strategy for selective detection of hypochlorous acid based on triazolopyridine formation. <i>Chinese Chemical Letters</i> , 2020, 31, 2917-2920.	9.0	33
105	Irregular-aggregation-induced emission luminogens. <i>Coordination Chemistry Reviews</i> , 2020, 418, 213358.	18.8	44
106	Identification of novel small-molecule inhibitors of β -methylacyl-CoA racemase (AMACR; P504S) and structure-activity relationships. <i>Bioorganic Chemistry</i> , 2019, 92, 103264.	4.1	11
107	Endoplasmic Reticulum Targeting Ratiometric Fluorescent Probe for Carboxylesterase 2 Detection in Drug-Induced Acute Liver Injury. <i>Analytical Chemistry</i> , 2019, 91, 15840-15845.	6.5	66
108	Reaction-Based Fluorescent Probes for the Detection and Imaging of Reactive Oxygen, Nitrogen, and Sulfur Species. <i>Accounts of Chemical Research</i> , 2019, 52, 2582-2597.	15.6	442

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109	Coumarin-based fluorescent AND™ logic gate probes for the detection of homocysteine and a chosen biological analyte. RSC Advances, 2019, 9, 26425-26428.	3.6	9
110	The mechanisms of boronate ester formation and fluorescent turn-on in ortho-aminomethylphenylboronic acids. Nature Chemistry, 2019, 11, 768-778.	13.6	131
111	Fluorescent probes for bioactive detection and imaging of phase II metabolic enzymes. Coordination Chemistry Reviews, 2019, 399, 213026.	18.8	37
112	Ratiometric two-photon fluorescent probe for <i>in situ</i> imaging of carboxylesterase (CE)-mediated mitochondrial acidification during medication. Chemical Communications, 2019, 55, 11358-11361.	4.1	61
113	A Leucine Aminopeptidase-Activated Theranostic Prodrug for Cancer Diagnosis and Chemotherapy. ACS Applied Bio Materials, 2019, 2, 4904-4910.	4.6	15
114	Novel 2-arylthiopropionyl-CoA inhibitors of \pm -methylacyl-CoA racemase 1A (AMACR; P504S) as potential anti-prostate cancer agents. Bioorganic Chemistry, 2019, 92, 103263.	4.1	9
115	NAG-targeting fluorescence based probe for precision diagnosis of kidney injury. Chemical Communications, 2019, 55, 1955-1958.	4.1	31
116	Azulenenes with aryl substituents bearing pentafluorosulfanyl groups: synthesis, spectroscopic and halochromic properties. New Journal of Chemistry, 2019, 43, 992-1000.	2.8	15
117	ESIPT-based fluorescence probe for the ratiometric detection of superoxide. New Journal of Chemistry, 2019, 43, 2875-2877.	2.8	29
118	Voltammetric characterisation of diferrocenylborinic acid in organic solution and in aqueous media when immobilised into a titanate nanosheet film. Dalton Transactions, 2019, 48, 11200-11207.	3.3	2
119	Target Enzyme-Activated Two-Photon Fluorescent Probes: A Case Study of CYP3A4 Using a Two-Dimensional Design Strategy. Angewandte Chemie, 2019, 131, 10064-10068.	2.0	8
120	Target Enzyme-Activated Two-Photon Fluorescent Probes: A Case Study of CYP3A4 Using a Two-Dimensional Design Strategy. Angewandte Chemie - International Edition, 2019, 58, 9959-9963.	13.8	74
121	A practical graphitic carbon nitride (g-C ₃ N ₄) based fluorescence sensor for the competitive detection of trithiocyanuric acid and mercury ions. Dyes and Pigments, 2019, 170, 107476.	3.7	28
122	Long Wavelength TCF-Based Fluorescent Probe for the Detection of Alkaline Phosphatase in Live Cells. Frontiers in Chemistry, 2019, 7, 255.	3.6	30
123	Sensors, Imaging Agents, and Theranostics to Help Understand and Treat Reactive Oxygen Species Related Diseases. Small Methods, 2019, 3, 1900013.	8.6	72
124	A far-red fluorescent probe for sensing laccase in fungi and its application in developing an effective biocatalyst for the biosynthesis of antituberculous dicoumarin. Chemical Communications, 2019, 55, 3951-3954.	4.1	13
125	Evaluation of HOCl-generating anticancer agents by an ultrasensitive dual-mode fluorescent probe. Chemical Science, 2019, 10, 3715-3722.	7.4	96
126	Multiphoton fluorescence lifetime imaging microscopy (FLIM) and super-resolution fluorescence imaging with a supramolecular biopolymer for the controlled tagging of polysaccharides. Nanoscale, 2019, 11, 9498-9507.	5.6	8

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127	Ratiometric fluorescent probe for sensing <i>Streptococcus mutans</i> glucosyltransferase, a key factor in the formation of dental caries. <i>Chemical Communications</i> , 2019, 55, 3548-3551.	4.1	24
128	Azulene-Derived Fluorescent Probe for Bioimaging: Detection of Reactive Oxygen and Nitrogen Species by Two-Photon Microscopy. <i>Journal of the American Chemical Society</i> , 2019, 141, 19389-19396.	13.7	125
129	Peroxynitrite Activated Drug Conjugate Systems Based on a Coumarin Scaffold Toward the Application of Theranostics. <i>Frontiers in Chemistry</i> , 2019, 7, 775.	3.6	11
130	A Simple Near-Infrared Fluorescent Probe for the Detection of Peroxynitrite. <i>ChemistryOpen</i> , 2019, 8, 1407-1409.	1.9	14
131	Fluorescence imaging of a potential diagnostic biomarker for breast cancer cells using a peptide-functionalized fluorogenic 2D material. <i>Chemical Communications</i> , 2019, 55, 13235-13238.	4.1	7
132	Reaction-based indicator displacement assay (RIA) for the development of a triggered release system capable of biofilm inhibition. <i>Chemical Communications</i> , 2019, 55, 15129-15132.	4.1	12
133	Analysis of Protein Glycation Using Phenylboronate Acrylamide Gel Electrophoresis. <i>Methods in Molecular Biology</i> , 2019, 1855, 161-175.	0.9	2
134	Molecular Design Strategy to Construct the Near-Infrared Fluorescent Probe for Selectively Sensing Human Cytochrome P450 2J2. <i>Journal of the American Chemical Society</i> , 2019, 141, 1126-1134.	13.7	141
135	Biodegradable macroporous scaffold with nano-crystal surface microstructure for highly effective osteogenesis and vascularization. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1658-1667.	5.8	24
136	Molecular logic gates: the past, present and future. <i>Chemical Society Reviews</i> , 2018, 47, 2228-2248.	38.1	468
137	Dye Displacement Assay for Saccharides using Benzoxaborole Hydrogels. <i>ChemistryOpen</i> , 2018, 7, 266-268.	1.9	9
138	Long-wavelength TCF-based fluorescence probes for the detection and intracellular imaging of biological thiols. <i>Chemical Communications</i> , 2018, 54, 4786-4789.	4.1	68
139	A hemicyanine based ratiometric fluorescence probe for mapping lysosomal pH during heat stroke in living cells. <i>Chemical Communications</i> , 2018, 54, 5518-5521.	4.1	68
140	Boronate-Based Fluorescence Probes for the Detection of Hydrogen Peroxide. <i>ChemistryOpen</i> , 2018, 7, 262-265.	1.9	30
141	A quick and selective rhodamine based smart probe for signal-on optical detection of Cu ²⁺ and Al ³⁺ in water, cell imaging, computational studies and solid state analysis. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 95-105.	7.8	61
142	A simple umbelliferone based fluorescent probe for the detection of nitroreductase. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 311-314.	4.4	13
143	A fluorescent peptidyl substrate for visualizing peptidyl-prolyl cis/trans isomerase activity in live cells. <i>Chemical Communications</i> , 2018, 54, 1857-1860.	4.1	5
144	Arresting Loose Bolt Internal Conversion from ² B(OH) Groups is the Mechanism for Emission Turn-On in <i>ortho</i> -Aminomethylphenylboronic Acid-Based Saccharide Sensors. <i>Journal of the American Chemical Society</i> , 2018, 140, 2348-2354.	13.7	60

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145	Structure-activity relationships of rationally designed AMACR 1A inhibitors. <i>Bioorganic Chemistry</i> , 2018, 79, 145-154.	4.1	8
146	The development of a novel AND logic based fluorescence probe for the detection of peroxynitrite and GSH. <i>Chemical Science</i> , 2018, 9, 3672-3676.	7.4	136
147	Supramolecular glyco-poly-cyclodextrin functionalized thin-layer manganese dioxide for targeted stimulus-responsive bioimaging. <i>Chemical Communications</i> , 2018, 54, 4037-4040.	4.1	11
148	Virtual Issue: Chemosensors. <i>ChemistryOpen</i> , 2018, 7, 215-216.	1.9	2
149	Fluorescence detection and removal of copper from water using a biobased and biodegradable 2D soft material. <i>Chemical Communications</i> , 2018, 54, 184-187.	4.1	53
150	Dual-function cellulose composites for fluorescence detection and removal of fluoride. <i>Dyes and Pigments</i> , 2018, 149, 669-675.	3.7	37
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