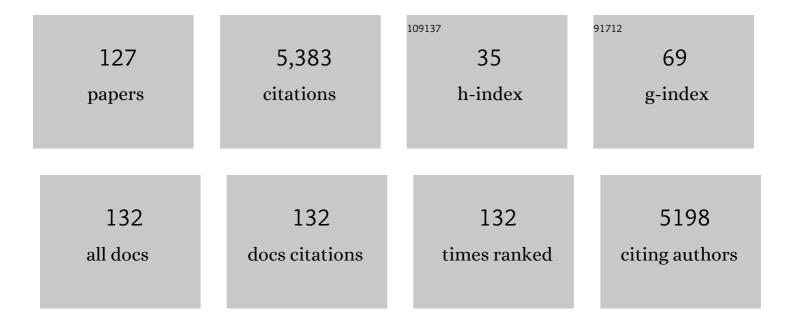
## List of Publications by Year in descending order

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Kumli

#	Article	IF	CITATIONS
1	Fluorescent bioimaging of pH: from design to applications. Chemical Society Reviews, 2017, 46, 2076-2090.	18.7	432
2	BINOL-Based Fluorescent Sensor for Recognition of Cu(II) and Sulfide Anion in Water. Journal of Organic Chemistry, 2012, 77, 8350-8354.	1.7	226
3	Enantioselective Gel Collapsing: A New Means of Visual Chiral Sensing. Journal of the American Chemical Society, 2010, 132, 7297-7299.	6.6	208
4	A water-soluble near-infrared probe for colorimetric and ratiometric sensing of SO <sub>2</sub> derivatives in living cells. Chemical Communications, 2014, 50, 183-185.	2.2	202
5	Lipase-catalysed direct Mannich reaction in water: utilization of biocatalytic promiscuity for C–C bond formation in a "one-pot―synthesis. Green Chemistry, 2009, 11, 777.	4.6	167
6	Mitochondria-targeted colorimetric and fluorescent probes for hypochlorite and their applications for in vivo imaging. Chemical Communications, 2014, 50, 8640-8643.	2.2	152
7	A ratiometric fluorescent probe for in situ quantification of basal mitochondrial hypochlorite in cancer cells. Chemical Communications, 2015, 51, 6781-6784.	2.2	151
8	Mitochondria-targeted ratiometric fluorescent probe for real time monitoring of pH in living cells. Biomaterials, 2015, 53, 669-678.	5.7	142
9	A mitochondria-targeted colorimetric and ratiometric fluorescent probe for biological SO <sub>2</sub> derivatives in living cells. Chemical Communications, 2015, 51, 10236-10239.	2.2	139
10	A real-time colorimetric and ratiometric fluorescent probe for sulfite. Analyst, The, 2013, 138, 3018.	1.7	138
11	A selective colorimetric and ratiometric fluorescent probe for hydrogen sulfide. Organic and Biomolecular Chemistry, 2012, 10, 8342.	1.5	130
12	Small molecular fluorescent probes for the detection of lead, cadmium and mercury ions. Coordination Chemistry Reviews, 2021, 429, 213691.	9.5	130
13	Reaction-based fluorescent probes for SO2 derivatives and their biological applications. Coordination Chemistry Reviews, 2019, 388, 310-333.	9.5	126
14	BODIPY-Based Two-Photon Fluorescent Probe for Real-Time Monitoring of Lysosomal Viscosity with Fluorescence Lifetime Imaging Microscopy. Analytical Chemistry, 2018, 90, 5873-5878.	3.2	121
15	A tumor-specific and mitochondria-targeted fluorescent probe for real-time sensing of hypochlorite in living cells. Chemical Communications, 2017, 53, 5539-5541.	2.2	115
16	A water-soluble and fast-response mitochondria-targeted fluorescent probe for colorimetric and ratiometric sensing of endogenously generated SO <sub>2</sub> derivatives in living cells. Chemical Communications, 2016, 52, 3430-3433.	2.2	114
17	A reaction-based ratiometric fluorescent sensor for the detection of Hg( <scp>ii</scp> ) ions in both cells and bacteria. Chemical Communications, 2018, 54, 4955-4958.	2.2	105
18	Novel Tumor-Specific and Mitochondria-Targeted near-Infrared-Emission Fluorescent Probe for SO <sub>2</sub> Derivatives in Living Cells. ACS Sensors, 2016, 1, 166-172.	4.0	104

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19	A highly selective water-soluble optical probe for endogenous peroxynitrite. Chemical Communications, 2014, 50, 9947.	2.2	82
20	Lipase-catalysed decarboxylative aldol reaction and decarboxylative Knoevenagel reaction. Green Chemistry, 2009, 11, 1933.	4.6	80
21	An AlEâ€Based Probe for Rapid and Ultrasensitive Imaging of Plasma Membranes in Biosystems. Angewandte Chemie - International Edition, 2020, 59, 9962-9966.	7.2	80
22	Novel easily available purine-based AIEgens with colour tunability and applications in lipid droplet imaging. Chemical Science, 2018, 9, 8969-8974.	3.7	75
23	Synthesis and DNA cleavage activities of mononuclear macrocyclic polyamine zinc(II), copper(II), cobalt(II) complexes which linked with uracil. Bioorganic and Medicinal Chemistry, 2006, 14, 6745-6751.	1.4	69
24	A coumarin-based chromogenic and ratiometric probe for hydrazine. Analytical Methods, 2013, 5, 2653.	1.3	66
25	Dual-site fluorescent probe for highly selective and sensitive detection of sulfite and biothiols. Chinese Chemical Letters, 2018, 29, 992-994.	4.8	61
26	Utilization of biocatalytic promiscuity for direct Mannich reaction. Journal of Molecular Catalysis B: Enzymatic, 2010, 67, 189-194.	1.8	57
27	Coumarin–DPA–Cu( <scp>ii</scp> ) as a chemosensing ensemble towards histidine determination in urine and serum. Organic and Biomolecular Chemistry, 2013, 11, 717-720.	1.5	56
28	Cd( <scp>ii</scp> )-terpyridine-based complex as a ratiometric fluorescent probe for pyrophosphate detection in solution and as an imaging agent in living cells. Dalton Transactions, 2015, 44, 1358-1365.	1.6	55
29	Promiscuous protease-catalyzed aldol reactions: A facile biocatalytic protocol for carbon–carbon bond formation in aqueous media. Journal of Biotechnology, 2010, 150, 539-545.	1.9	53
30	Mitochondria-Immobilized Fluorescent Probe for the Detection of Hypochlorite in Living Cells, Tissues, and Zebrafishes. Analytical Chemistry, 2020, 92, 3262-3269.	3.2	51
31	The Increased Endogenous Sulfur Dioxide Acts as a Compensatory Mechanism for the Downregulated Endogenous Hydrogen Sulfide Pathway in the Endothelial Cell Inflammation. Frontiers in Immunology, 2018, 9, 882.	2.2	50
32	A selenium-contained aggregation-induced "turn-on―fluorescent probe for hydrogen peroxide. Organic and Biomolecular Chemistry, 2014, 12, 3004.	1.5	49
33	Rational Design of a Long-Wavelength Fluorescent Probe for Highly Selective Sensing of Carboxylesterase 1 in Living Systems. Analytical Chemistry, 2019, 91, 5638-5645.	3.2	49
34	Two birds with one stone: Multifunctional and highly selective fluorescent probe for distinguishing Zn2+ from Cd2+ and selective recognition of sulfide anion. Talanta, 2013, 116, 434-440.	2.9	45
35	Rhodamine based pH-sensitive "intelligent―polymers as lysosome targeting probes and their imaging applications in vivo. Polymer Chemistry, 2014, 5, 5804-5812.	1.9	41
36	Sulphur dioxide suppresses inflammatory response by sulphenylating NF-κB p65 at Cys38 in a rat model of acute lung injury. Clinical Science, 2017, 131, 2655-2670.	1.8	36

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37	The first ratiometric probe for lysine in water. Tetrahedron, 2013, 69, 2118-2123.	1.0	34
38	Development of a mitochondria-targeted fluorescent probe for hydrazine monitoring in living cells. RSC Advances, 2016, 6, 111016-111019.	1.7	34
39	Endogenous sulfur dioxide alleviates collagen remodeling via inhibiting TGF-β/Smad pathway in vascular smooth muscle cells. Scientific Reports, 2016, 6, 19503.	1.6	33
40	A BINOL-based ratiometric fluorescent sensor for Zn2+ and in situ generated ensemble for selective recognition of histidine in aqueous solution. Analyst, The, 2013, 138, 5762.	1.7	32
41	Novel triazole-based fluorescent probes for Pd2+ in aqueous solutions: design, theoretical calculations and imaging. Analyst, The, 2013, 138, 6632.	1.7	32
42	Mitochondrial G-quadruplex targeting probe with near-infrared fluorescence emission. Sensors and Actuators B: Chemical, 2019, 286, 575-582.	4.0	32
43	"Self-activating―chemical nuclease: Ferrocenyl cyclen Cu(II) complexes act as efficient DNA cleavage reagents in the absence of reductant. European Journal of Medicinal Chemistry, 2009, 44, 1768-1772.	2.6	31
44	A highly sensitive and selective "turn-on―fluorescent probe for hypochlorous acid monitoring. RSC Advances, 2015, 5, 18275-18278.	1.7	31
45	Downregulated endogenous sulfur dioxide/aspartate aminotransferase pathway is involved in angiotensin II-stimulated cardiomyocyte autophagy and myocardial hypertrophy in mice. International Journal of Cardiology, 2016, 225, 392-401.	0.8	31
46	Pyridine-Si-xanthene: A novel near-infrared fluorescent platform for biological imaging. Chinese Chemical Letters, 2019, 30, 1063-1066.	4.8	31
47	A colorimetric and red emissive fluorescent probe for cysteine and its application in bioimaging. Sensors and Actuators B: Chemical, 2015, 214, 92-100.	4.0	30
48	A novel coumarin-based water-soluble fluorescent probe for endogenously generated SO2 in living cells. Science China Chemistry, 2017, 60, 793-798.	4.2	30
49	A fully conjugated organic polymer via Knoevenagel condensation for fast separation of uranium. Journal of Hazardous Materials, 2021, 401, 123802.	6.5	30
50	DNA cleavage by novel copper (II) complex and the role of β-cyclodextrin in promoting cleavage. Bioorganic and Medicinal Chemistry, 2008, 16, 1103-1110.	1.4	28
51	Novel strategy of constructing fluorescent probe for MAO-B via cascade reaction and its application in imaging MAO-B in human astrocyte. Chinese Chemical Letters, 2019, 30, 71-74.	4.8	28
52	Crystalline quantum dots of covalent organic frameworks for fast and sensitive detection of uranium. Chemical Communications, 2020, 56, 880-883.	2.2	28
53	A novel enzymatic tandem process: utilization of biocatalytic promiscuity for high stereoselective synthesis of 5-hydroxyimino-4,5-dihydrofurans. Tetrahedron, 2011, 67, 2681-2688.	1.0	27
54	Water promoted enantioselective aldol Reaction by proline-cholesterol and -diosgenin based amphiphilic organocatalysts. Tetrahedron, 2013, 69, 5136-5143.	1.0	27

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55	An efficient, transition-metal-free process for the synthesis of substituted dihydrofurans via a Michael/cyclization tandem reaction. Tetrahedron Letters, 2011, 52, 679-683.	0.7	26
56	Dianthracene–cyclen conjugate: the first equal-equivalent responding fluorescent chemosensor for Pb2+ in aqueous solution. Analyst, The, 2013, 138, 2329.	1.7	26
57	A ferrocene-based multiple-stimuli responsive organometallogel. Soft Matter, 2014, 10, 3755.	1.2	26
58	Construction of pH-Sensitive "Submarine―Based on Gold Nanoparticles with Double Insurance for Intracellular pH Mapping, Quantifying of Whole Cells and in Vivo Applications. ACS Applied Materials & Interfaces, 2016, 8, 22839-22848.	4.0	25
59	Retina-derived endogenous sulfur dioxide might be a novel anti-apoptotic factor. Biochemical and Biophysical Research Communications, 2018, 496, 955-960.	1.0	25
60	A hypoxia-specific and mitochondria-targeted anticancer theranostic agent with high selectivity for cancer cells. Journal of Materials Chemistry B, 2018, 6, 2413-2416.	2.9	25
61	Tetraphenylethene–pyridine salts as the first self-assembling chemosensor for pyrophosphate. Analyst, The, 2015, 140, 4182-4188.	1.7	24
62	Red emission fluorescent probes for visualization of monoamine oxidase in living cells. Scientific Reports, 2016, 6, 31217.	1.6	24
63	Fluorescent Wittig reagent as a novel ratiometric probe for the quantification of 5-formyluracil and its application in cell imaging. Chemical Communications, 2018, 54, 13722-13725.	2.2	23
64	A label-free fluorescent probe for accurate mitochondrial G-quadruplex structures tracking via assembly hindered rotation induced emission. Sensors and Actuators B: Chemical, 2020, 321, 128479.	4.0	23
65	Coumarin–TPA derivative: a reaction-based ratiometric fluorescent probe for Cu(I). Tetrahedron Letters, 2013, 54, 5771-5774.	0.7	22
66	Molecular engineering of a dual emission near-infrared ratiometric fluorophore for the detection of pH at the organism level. Analyst, The, 2015, 140, 4608-4615.	1.7	22
67	One Single Molecule as a Multifunctional Fluorescent Probe for Ratiometric Sensing of Fe3+, Cr3+ and Colorimetric Sensing of Cu2+. Sensors, 2015, 15, 49-58.	2.1	22
68	Endogenous SO2-dependent Smad3 redox modification controls vascular remodeling. Redox Biology, 2021, 41, 101898.	3.9	22
69	Rational Design of Quinoxalinone-Based Red-Emitting Probes for High-Affinity and Long-Term Visualizing Amyloid-12 In Vivo. Analytical Chemistry, 2022, 94, 7665-7673.	3.2	21
70	Biocatalytic Synthesis and in Vitro Release of Biodegradable Linear Polyesters with Pendant Ketoprofen. Biomacromolecules, 2010, 11, 3290-3293.	2.6	20
71	Rhodamine-based lysosome-targeted fluorescence probes: high pH sensitivity and their imaging application in living cells. RSC Advances, 2014, 4, 33975-33980.	1.7	20
72	A novel near-infrared fluorescent sensor for zero background nitrite detection via the "covalent-assembly―principle. Food Chemistry, 2021, 341, 128254.	4.2	19

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73	Discovery of an Ultraâ€rapid and Sensitive Lysosomal Fluorescence Lipophagy Process. Angewandte Chemie - International Edition, 2022, 61, .	7.2	19
74	Synthesis of high drug loading, reactive oxygen species and esterase dual-responsive polymeric micelles for drug delivery. RSC Advances, 2019, 9, 2371-2378.	1.7	18
75	Enzyme-mediated domino synthesis of 2-alkylbenzimidazoles in solvent-free system: A green route to heterocyclic compound. Journal of Molecular Catalysis B: Enzymatic, 2010, 67, 16-20.	1.8	17
76	Making pyrophosphate visible: the first precipitable and real-time fluorescent sensor for pyrophosphate in aqueous solution. Analyst, The, 2015, 140, 174-181.	1.7	17
77	A single design strategy for dual sensitive pH probe with a suitable range to map pH in living cells. Scientific Reports, 2015, 5, 15540.	1.6	16
78	Multifunctional gold nanoparticles as smart nanovehicles with enhanced tumour-targeting abilities for intracellular pH mapping and <i>in vivo</i> MR/fluorescence imaging. Nanoscale, 2020, 12, 2002-2010.	2.8	16
79	Macrophage-derived sulfur dioxide is a novel inflammation regulator. Biochemical and Biophysical Research Communications, 2020, 524, 916-922.	1.0	16
80	Tetraphenylethene based zinc complexes as fluorescent chemosensors for pyrophosphate sensing. Chinese Chemical Letters, 2015, 26, 877-880.	4.8	15
81	Additive- and column-free synthesis of rigid bis-coumarins as fluorescent dyes for G-quadruplex sensing <i>via</i> disaggregation-induced emission. Chemical Communications, 2020, 56, 6870-6873.	2.2	15
82	Novel Reticular Cyclenâ€Based Polymer as Gene Vector in DNA Transfection. Chemical Biology and Drug Design, 2009, 73, 216-224.	1.5	14
83	BINOL derivatives with aggression-induced emission. Journal of Materials Chemistry B, 2018, 6, 4413-4416.	2.9	14
84	Plant-Inspired Multifunctional Fluorescent Hydrogel: A Highly Stretchable and Recoverable Self-Healing Platform with Water-Controlled Adhesiveness for Highly Effective Antibacterial Application and Data Encryption–Decryption. ACS Applied Materials & Interfaces, 2020, 12, 57686-57694.	4.0	14
85	A pyridine-Si-rhodamine-based near-infrared fluorescent probe for visualizing reactive oxygen species in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 118927.	2.0	14
86	Novel mitochondria-targeted, nitrogen mustard-based DNA alkylation agents with near infrared fluorescence emission. Talanta, 2016, 161, 888-893.	2.9	13
87	HClO/ClO <sup>–</sup> -Indicative Interpenetrating Polymer Network Hydrogels as Intelligent Bioactive Materials for Wound Healing. ACS Applied Bio Materials, 2020, 3, 37-44.	2.3	13
88	The dicyclen–TPE zinc complex as a novel fluorescent ensemble for nanomolar pyrophosphate sensing in 100% aqueous solution. Organic Chemistry Frontiers, 2014, 1, 1276-1279.	2.3	12
89	Multifunctional lipophilic purines: a coping strategy for anti-counterfeiting, lipid droplet imaging and latent fingerprint development. Materials Chemistry Frontiers, 2021, 5, 6603-6610.	3.2	11
90	Purine-based Ir( <scp>iii</scp> ) complexes for sensing viscosity of endo-plasmic reticulum with fluorescence lifetime imaging microscopy. Chemical Communications, 2021, 57, 2265-2268.	2.2	11

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91	Arm effects of mononuclear armed cyclen copper complexes on DNA cleavage. Transition Metal Chemistry, 2008, 33, 759-765.	0.7	10
92	Immobilization cyclen copper (II) on merrifield resin: Efficient oxidative cleavage of plasmid DNA. Journal of Applied Polymer Science, 2009, 111, 2485-2492.	1.3	10
93	Combining Wittig Olefination with Photoassisted Domino Reaction To Distinguish 5-Formylcytosine from 5-Formyluracil. Analytical Chemistry, 2019, 91, 9366-9370.	3.2	10
94	Three-in-one: information encryption, anti-counterfeiting and LD-tracking of multifunctional purine derivatives. Journal of Materials Chemistry C, 2021, 9, 2864-2872.	2.7	10
95	Two-step enzymatic selective synthesis of water-soluble ketoprofen–saccharide conjugates in organic media. Bioorganic and Medicinal Chemistry, 2009, 17, 1905-1910.	1.4	9
96	Visual detection of amino acids by supramolecular gel collapse. RSC Advances, 2013, 4, 2119-2123.	1.7	9
97	Bio-inspired assembly in a phospholipid bilayer: effective regulation of electrostatic and hydrophobic interactions for plasma membrane specific probes. Chemical Communications, 2020, 56, 3661-3664.	2.2	9
98	A BINOL Based Fluorescence Sensor for Distinction of <i>D</i> â€Glucose. Chinese Journal of Chemistry, 2015, 33, 101-106.	2.6	8
99	A coumarin-based colorimetric fluorescent probe for hydrogen sulfide. Journal of Chemical Sciences, 2015, 127, 359-363.	0.7	8
100	Aqueous Wittig reaction-mediated fast fluorogenic identification and single-base resolution analysis of 5-formylcytosine in DNA. Chemical Communications, 2020, 56, 12158-12161.	2.2	8
101	Review of the Small Molecular Fluorescent Sensors for Intracellular Reactive Oxygen Species. Chinese Journal of Organic Chemistry, 2018, 38, 612.	0.6	8
102	Ferroceneâ€bridging dinuclear cyclen copper(II) complexes as high efficient artificial nucleases: design, synthesis and interaction with DNA. Applied Organometallic Chemistry, 2008, 22, 243-248.	1.7	7
103	Novel mitochondria-targeted and fluorescent DNA alkylation agents with highly selective activity against cancer cells. Dyes and Pigments, 2019, 170, 107610.	2.0	7
104	A mitochondria–nucleolus migration fluorescent probe for monitoring of mitochondrial membrane potential and identification of cell apoptosis. Analytical Methods, 2019, 11, 5750-5754.	1.3	7
105	Novel cyclen-based linear polymer as a high-affinity binding material for DNA condensation. Science in China Series B: Chemistry, 2009, 52, 483-488.	0.8	6
106	Enzyme atalyzed Synthesis of a Novel Thermosensitive Polyester with Pendant Ketoprofen. Macromolecular Bioscience, 2011, 11, 595-599.	2.1	6
107	A near-infrared water-soluble fluorescent probe for the detection of biothiols in living cells and <i>Escherichia coli</i> . Analytical Methods, 2019, 11, 821-826.	1.3	6
108	A Novel NIR Fluorescent Probe for Highly Selective Detection of Nitroreductase and Hypoxic-Tumor-Cell Imaging. Molecules, 2021, 26, 4425.	1.7	6

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109	Preparation of chiral aryl alcohols: a controllable enzymatic strategy <i>via</i> light-driven NAD(P)H regeneration. New Journal of Chemistry, 2022, 46, 6274-6282.	1.4	6
110	Who Is the King? The <i>α</i> â€Hydroxyâ€ <i>β</i> â€oxoâ€ <i>α</i> , <i>β</i> â€enone Moiety or the Catechol B Relationship between the Structure of Quercetin Derivatives and Their Proâ€Oxidative Abilities. Chemistry and Biodiversity, 2010, 7, 236-244.	Ring: 1.0	5
111	A dual-site controlled pH probe revealing the pH of sperm cytoplasm and screening for healthy spermatozoa. Journal of Materials Chemistry B, 2021, 9, 3662-3665.	2.9	5
112	Compensatory role of endogenous sulfur dioxide in nitric oxide deficiency-induced hypertension. Redox Biology, 2021, 48, 102192.	3.9	5
113	Imidazolium-based 1,1′-bi-2-naphthol fluorescent probe for ratiometric and selective detection of DNA in water. Analytical Methods, 2013, 5, 5903.	1.3	4
114	A Highly Selective Ratiometric Fluorescent Probe for Peroxynitrite Detection in Aqueous Media. Chemistry Letters, 2016, 45, 691-693.	0.7	4
115	Sulphenylation of CypD at Cysteine 104: A Novel Mechanism by Which SO2 Inhibits Cardiomyocyte Apoptosis. Frontiers in Cell and Developmental Biology, 2021, 9, 784799.	1.8	4
116	A Novel Catalyst-Free Tandem Reaction for the Synthesis of 5-Hydroxy-1,5-dihydro-2H-pyrrol-2-ones in Water Medium. Synthesis, 2011, 2011, 1831-1839.	1.2	3
117	Donor and acceptor engineering for BINOL based AlEgens with enhanced fluorescence performance. Materials Advances, 2020, 1, 61-70.	2.6	3
118	Novel lysosome-targeted anticancer fluorescent agents used in zebrafish and nude mouse tumour imaging. Frontiers of Chemical Science and Engineering, 0, , 1.	2.3	3
119	Qualitative and quantitative detection of aldehydes in DNA with 2-amino benzamidoxime derivative. Chinese Chemical Letters, 2022, , .	4.8	3
120	Dinuclear Zinc (II) Complexes of Macrocyclic Polyamine Ligands Containing an Imidazolium Bridge: Synthesis, Characterization, and Their Interaction with Plasmid DNA. International Journal of Molecular Sciences, 2007, 8, 606-617.	1.8	2
121	Cyclenâ€Based Sideâ€Chain Homopolymer Selfâ€Assembly with Plasmid DNA: Protection of DNA from Enzymatic Degradation. Chemistry and Biodiversity, 2009, 6, 754-763.	1.0	2
122	An AlEâ€Based Probe for Rapid and Ultrasensitive Imaging of Plasma Membranes in Biosystems. Angewandte Chemie, 2020, 132, 10048-10052.	1.6	2
123	Discovery of an Ultraâ€rapid and Sensitive Lysosomal Fluorescence Lipophagy Process. Angewandte Chemie, 0, , .	1.6	2
124	Complexation of a macrocyclic ligand, 2,6-di (N-methyl)formamide-calix[4]pyridine, with Eu(III) and extraction of Eu(III) and Am(III). Radiochimica Acta, 2018, 106, 301-310.	0.5	0
125	Detection of 5-Formylcytosine and 5-Formyluracil Based on Photo-Assisted Domino Reaction. Springer Protocols, 2022, , 141-153.	0.1	0
126	Fast calcium carbonate film growth induced by 1-naphthoic acid at the organic-aqueous phase. Journal of Coordination Chemistry, 2021, 74, 2863-2872.	0.8	0

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127	Polymorphic coumarinopyrone with four fluorescent colors: A case of switching of solid-state luminescence by controlling the torsion angel between the donor and the fluorophore. Dyes and Pigments, 2022, , 110324.		2.0	0