Emily L Que

List of Publications by Year
in descending order

46	4,780	304743	243625
papers	citations	22 h-index	44 g-index

46	46	46	5740
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural insights into the design of reversible fluorescent probes for metallo-Î²-lactamases NDM-1, VIM-2, and IMP-1. Journal of Inorganic Biochemistry, 2022, 233, 111869.	3.5	2
2	Modulating extraction and retention of fluorinated Î²-diketonate metal complexes in perfluorocarbons through the use of non-fluorinated neutral ligands. Inorganic Chemistry Frontiers, 2021, 8, 4488-4496.	6.0	1
3	Visible luminescent Ln₄₂ nanotorus coordination clusters. Journal of Coordination Chemistry, 2021, 74, 92-101.	2.2	1
4	Visualizing the Dynamic Metalation State of New Delhi Metallo-Î²-lactamase-1 in Bacteria Using a Reversible Fluorescent Probe. Journal of the American Chemical Society, 2021, 143, 8314-8323.	13.7	22
5	Copper(II) Pyridyl Aminophenolates: Hypoxiaâ€Selective, Nucleusâ€Targeting Cytotoxins, and Magnetic Resonance Probes. Chemistry - A European Journal, 2021, 27, 9839-9849.	3.3	10
6	¹⁹F Magnetic Resonance Activity-Based Sensing Using Paramagnetic Metals. Accounts of Chemical Research, 2020, 53, 2-10.	15.6	69
7	Responsive fluorinated nanoemulsions for ¹⁹F magnetic resonance detection of cellular hypoxia. Dalton Transactions, 2020, 49, 16419-16424.	3.3	13
8	Versatile Nickel(II) Scaffolds as Coordinationâ€Induced Spinâ€State Switches for 19 F Magnetic Resonanceâ€Based Detection. Angewandte Chemie, 2020, 132, 22712-22719.	2.0	6
9	Versatile Nickel(II) Scaffolds as Coordinationâ€Induced Spinâ€State Switches for 19 F Magnetic Resonanceâ€Based Detection. Angewandte Chemie - International Edition, 2020, 59, 22523-22530.	13.8	13
10	Reversible Solid-State Isomerism of Azobenzene-Loaded Large-Pore Isoreticular Mg-CUK-1. Journal of the American Chemical Society, 2020, 142, 6467-6471.	13.7	18
11	Visible Light Mediated Bidirectional Control over Carbonic Anhydrase Activity in Cells and in Vivo Using Azobenzenesulfonamides. Journal of the American Chemical Society, 2020, 142, 14522-14531.	13.7	40
12	Harnessing chemical exchange: ¹⁹F magnetic resonance OFF/ON zinc sensing with a Tm(<scp>iii</scp>) complex. Chemical Communications, 2020, 56, 6257-6260.	4.1	13
13	Interrogating Intracellular Zinc Chemistry with a Long Stokes Shift Zinc Probe ZincBY-4. Journal of the American Chemical Society, 2019, 141, 16696-16705.	13.7	15
14	Highly fluorinated metal complexes as dual 19F and PARACEST imaging agents. Dalton Transactions, 2019, 48, 9337-9341.	3.3	16
15	A dual-responsive probe for detecting cellular hypoxia using ¹⁹F magnetic resonance and fluorescence. Chemical Communications, 2019, 55, 8860-8863.	4.1	21
16	Glutathione-mediated activation of a disulfide containing Fe3+ complex. Inorganica Chimica Acta, 2019, 490, 139-143.	2.4	2
17	Pullâ€Down of Metalloproteins in Their Native States by Using Desthiobiotinâ€Based Probes. ChemBioChem, 2019, 20, 1003-1007.	2.6	3
18	Towards Ni(II) complexes with spin switches for 19F MR-based pH sensing. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 89-96.	2.0	11

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19	Bovine eggs release zinc in response to parthenogenetic and sperm-induced egg activation. Theriogenology, 2019, 127, 41-48.	2.1	34
20	In Situ Photoregulation of Carbonic Anhydrase Activity Using Azobenzenesulfonamides. Biochemistry, 2019, 58, 48-53.	2.5	15
21	A new probe for detecting zinc-bound carbonic anhydrase in cell lysates and cells. Chemical Communications, 2018, 54, 5442-5445.	4.1	10
22	Copper(<scp>ii</scp>) complexes for cysteine detection using ¹⁹F magnetic resonance. Dalton Transactions, 2018, 47, 15024-15030.	3.3	23
23	¹⁹F PARASHIFT Probes for Magnetic Resonance Detection of H₂O₂ and Peroxidase Activity. Journal of the American Chemical Society, 2018, 140, 10546-10552.	13.7	56
24	Zinc sparks induce physiochemical changes in the egg zona pellucida that prevent polyspermy. Integrative Biology (United Kingdom), 2017, 9, 135-144.	1.3	72
25	Hypoxia-Responsive ¹⁹F MRI Probes with Improved Redox Properties and Biocompatibility. Inorganic Chemistry, 2017, 56, 6429-6437.	4.0	58
26	The fertilization-induced zinc spark is a novel biomarker of mouse embryo quality and early development. Scientific Reports, 2016, 6, 22772.	3.3	52
27	Self-assembly of high-nuclearity lanthanide-based nanoclusters for potential bioimaging applications. Nanoscale, 2016, 8, 11123-11129.	5.6	14
28	The zinc spark is an inorganic signature of human egg activation. Scientific Reports, 2016, 6, 24737.	3.3	91
29	A Co^{II} complex for ¹⁹F MRI-based detection of reactive oxygen species. Chemical Communications, 2016, 52, 13885-13888.	4.1	41
30	Exploiting Copper Redox for ¹⁹F Magnetic Resonance-Based Detection of Cellular Hypoxia. Journal of the American Chemical Society, 2016, 138, 2937-2940.	13.7	76
31	The inorganic anatomy of the mammalian preimplantation embryo and the requirement of zinc during the first mitotic divisions. Developmental Dynamics, 2015, 244, 935-947.	1.8	25
32	Quantitative mapping of zinc fluxes in the mammalian egg reveals the origin of fertilization-induced zinc sparks. Nature Chemistry, 2015, 7, 130-139.	13.6	185
33	Zinc as a Key Meiotic Cell-Cycle Regulator in the Mammalian Oocyte. , 2014, , 315-333.		4
34	Alignment of low-dose X-ray fluorescence tomographyÂimages using differential phase contrast. Journal of Synchrotron Radiation, 2014, 21, 229-234.	2.4	24
35	A cell-permeable gadolinium contrast agent for magnetic resonance imaging of copper in a Menkes disease model. Chemical Science, 2012, 3, 1829.	7.4	41
36	Fluxes in â€œFreeâ€•and Total Zinc Are Essential for Progression of Intraerythrocytic Stages of Plasmodium falciparum. Chemistry and Biology, 2012, 19, 731-741.	6.0	60

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37	A copper-activated magnetic resonance imaging contrast agent with improved turn-on relaxivity response and anion compatibility. Dalton Transactions, 2010, 39, 469-476.	3.3	51
38	Responsive magnetic resonance imaging contrast agents as chemical sensors for metals in biology and medicine. Chemical Society Reviews, 2010, 39, 51-60.	38.1	237
39	Copper-Responsive Magnetic Resonance Imaging Contrast Agents. Journal of the American Chemical Society, 2009, 131, 8527-8536.	13.7	139
40	Metals in Neurobiology: Probing Their Chemistry and Biology with Molecular Imaging. Chemical Reviews, 2008, 108, 1517-1549.	47.7	1,873
41	Synthetic fluorescent sensors for studying the cell biology of metals. Nature Chemical Biology, 2008, 4, 168-175.	8.0	1,011
42	Synthesis of lamellar isobutyl silicates and dispersion in polypropylene melts. Journal of Applied Polymer Science, 2007, 105, 1456-1465.	2.6	3
43	A Smart Magnetic Resonance Contrast Agent for Selective Copper Sensing. Journal of the American Chemical Society, 2006, 128, 15942-15943.	13.7	148
44	Hexadecyl-functionalized lamellar mesostructured silicates and aluminosilicates designed for polymerâ€“clay nanocomposites. Part I. Clay synthesis and structure. Polymer, 2005, 46, 4421-4430.	3.8	14
45	1,5-Dibromo-2,4-bis[(2-bromophenyl)ethynyl]benzene. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2894-o2895.	0.2	0
46	Biomimetic Aryl Hydroxylation Derived from Alkyl Hydroperoxide at a Nonheme Iron Center. Evidence for an FeIVO Oxidant. Journal of the American Chemical Society, 2003, 125, 2113-2128.	13.7	147