

Yunkou Wu

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,788
citations

361413

20
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

2474
citing authors

#	ARTICLE	IF	CITATIONS
1	Colorimetric and Ratiometric Fluorescence Sensing of Fluoride: A Tuning Selectivity in Proton Transfer. <i>Journal of Organic Chemistry</i> , 2005, 70, 10524-10531.	3.2	443
2	Boron dipyrromethene fluorophore based fluorescence sensor for the selective imaging of Zn(ii) in living cells. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1387.	2.8	204
3	Simple Bisthiocarbonohydrazones as Sensitive, Selective, Colorimetric, and Switch-On Fluorescent Chemosensors for Fluoride Anions. <i>Chemistry - A European Journal</i> , 2007, 13, 2880-2892.	3.3	152
4	PET imaging of microglia by targeting macrophage colony-stimulating factor 1 receptor (CSF1R). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1686-1691.	7.1	140
5	A Responsive Europium(III) Chelate That Provides a Direct Readout of pH by MRI. <i>Journal of the American Chemical Society</i> , 2010, 132, 14002-14003.	13.7	106
6	A ratiometric fluorescent sensor for phosphates: Zn ²⁺ -enhanced ICT and ligand competition. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 226-228.	2.8	104
7	The importance of water exchange rates in the design of responsive agents for MRI. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 167-174.	6.1	95
8	Polymeric PARACEST Agents for Enhancing MRI Contrast Sensitivity. <i>Journal of the American Chemical Society</i> , 2008, 130, 13854-13855.	13.7	69
9	Amplifying the Sensitivity of Zinc(II) Responsive MRI Contrast Agents by Altering Water Exchange Rates. <i>Journal of the American Chemical Society</i> , 2015, 137, 14173-14179.	13.7	67
10	pH imaging of mouse kidneys in vivo using a frequency-dependent paraCEST agent. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2432-2441.	3.0	54
11	A europium(iii)-based PARACEST agent for sensing singlet oxygen by MRI. <i>Dalton Transactions</i> , 2013, 42, 8066.	3.3	35
12	The Population of SAP and TSAP Isomers in Cyclen-Based Lanthanide(III) Chelates Is Substantially Affected by Solvent. <i>Inorganic Chemistry</i> , 2010, 49, 8662-8664.	4.0	34
13	Advantages of paramagnetic chemical exchange saturation transfer (CEST) complexes having slow to intermediate water exchange properties as responsive MRI agents. <i>NMR in Biomedicine</i> , 2013, 26, 829-838.	2.8	33
14	A Naphthalimide Fluorescent Sensor for Zn ²⁺ -Based on Photo-induced Electron Transfer. <i>Chemistry Letters</i> , 2004, 33, 1392-1393.	1.3	31
15	A pH-Responsive MRI Agent that Can Be Activated Beyond the Tissue Magnetization Transfer Window. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8662-8664.	13.8	30
16	Breaking the Barrier to Slow Water Exchange Rates for Optimal Magnetic Resonance Detection of paraCEST Agents. <i>Inorganic Chemistry</i> , 2016, 55, 3007-3014.	4.0	28
17	Imaging Extracellular Lactate In Vitro and In Vivo Using CEST MRI and a Paramagnetic Shift Reagent. <i>Chemistry - A European Journal</i> , 2017, 23, 1752-1756.	3.3	25
18	Advantages of macromolecular to nanosized chemical-exchange saturation transfer agents for MRI applications. <i>Future Medicinal Chemistry</i> , 2010, 2, 351-366.	2.3	24

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19	Polymeric PARACEST MRI contrast agents as potential reporters for gene therapy. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5333.	2.8	20
20	Lanthanide-Based $T_{2\rho}$ and CEST Complexes Provide Insights into the Design of pH Sensitive MRI Agents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16626-16630.	13.8	20
21	The pH sensitivity of ^1H exchange in LnDOTA tetraamide complexes varies with amide substituent. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 459-464.	0.8	18
22	^{68}Ga -HPDO3A-nitroimidazole: a promising agent for PET detection of tumor hypoxia. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 465-472.	0.8	17
23	Multifunctional Polymeric Scaffolds for Enhancement of PARACEST Contrast Sensitivity and Performance: Effects of Random Copolymer Variations. <i>Macromolecules</i> , 2010, 43, 6616-6624.	4.8	15
24	Radiosynthesis and validation of ^{11}C -methylpiperazine-2-(piperidin-1-yl)phenyl furan-2-carboxamide (^{11}C PPC), a PET radiotracer for imaging CSF1R, a microglia-specific marker. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 903-908.	1.0	10
25	Amino Acid-Derived Sensors for Specific Zn^{2+} Detection Using Hyperpolarized ^{13}C Magnetic Resonance Spectroscopy. <i>Chemistry - A European Journal</i> , 2019, 25, 11842-11846.	3.3	8
26	Lanthanide-Based $T_{2\rho}$ and CEST Complexes Provide Insights into the Design of pH Sensitive MRI Agents. <i>Angewandte Chemie</i> , 2017, 129, 16853-16857.	2.0	2
27	PET/CT imaging of CSF1R in a mouse model of tuberculosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 4088-4096.	6.4	1
28	Chapter 11 ParaCEST Agents: Design, Discovery, and Implementation. , 2017, , 219-256.		0