

Peter Harvey

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/76342/publications.pdf>

Version: 2024-02-01

23
papers

864
citations

471509

17
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1425
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitroxide-Based Macromolecular Contrast Agents with Unprecedented Transverse Relaxivity and Stability for Magnetic Resonance Imaging of Tumors. <i>ACS Central Science</i> , 2017, 3, 800-811.	11.3	126
2	Critical analysis of the limitations of Bleaney's theory of magnetic anisotropy in paramagnetic lanthanide coordination complexes. <i>Chemical Science</i> , 2015, 6, 1655-1662.	7.4	70
3	Lanthanide Complexes as Paramagnetic Probes for ¹⁹ F Magnetic Resonance. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2015-2022.	2.0	68
4	Triply Loaded Nitroxide Brush-Arm Star Polymers Enable Metal-Free Millimetric Tumor Detection by Magnetic Resonance Imaging. <i>ACS Nano</i> , 2018, 12, 11343-11354.	14.6	56
5	Metal-based imaging agents: progress towards interrogating neurodegenerative disease. <i>Chemical Society Reviews</i> , 2020, 49, 2886-2915.	38.1	56
6	Polyoxazoline-Based Bottlebrush and Brush-Arm Star Polymers via ROMP: Syntheses and Applications as Organic Radical Contrast Agents. <i>ACS Macro Letters</i> , 2019, 8, 473-478.	4.8	55
7	Sensing Uranyl(VI) Ions by Coordination and Energy Transfer to a Luminescent Europium(III) Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9921-9924.	13.8	50
8	Moving the goal posts: enhancing the sensitivity of PARASHIFT proton magnetic resonance imaging and spectroscopy. <i>Chemical Science</i> , 2013, 4, 4251.	7.4	46
9	Paramagnetic ¹⁹ F Chemical Shift Probes that Respond Selectively to Calcium or Citrate Levels and Signal Ester Hydrolysis. <i>Chemistry - A European Journal</i> , 2012, 18, 8748-8757.	3.3	42
10	Characterisation and evaluation of paramagnetic fluorine labelled glycol chitosan conjugates for ¹⁹ F and ¹ H magnetic resonance imaging. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 215-227.	2.6	39
11	A new paramagnetically shifted imaging probe for MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1307-1317.	3.0	33
12	Experimental Measurement and Theoretical Assessment of Fast Lanthanide Electronic Relaxation in Solution with Four Series of Isostructural Complexes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 905-917.	2.5	31
13	Probing the brain with molecular fMRI. <i>Current Opinion in Neurobiology</i> , 2018, 50, 201-210.	4.2	30
14	Antibody-targeting of ultra-small nanoparticles enhances imaging sensitivity and enables longitudinal tracking of multiple myeloma. <i>Nanoscale</i> , 2019, 11, 20485-20496.	5.6	27
15	Ratiometric detection of enzyme turnover and flavin reduction using rare-earth upconverting phosphors. <i>Dalton Transactions</i> , 2014, 43, 5265-5268.	3.3	23
16	Pro-organic radical contrast agents (pro-ORCA) for real-time MRI of pro-drug activation in biological systems. <i>Polymer Chemistry</i> , 2020, 11, 4768-4779.	3.9	20
17	Single-nanometer iron oxide nanoparticles as tissue-permeable MRI contrast agents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	20
18	Challenging lanthanide relaxation theory: erbium and thulium complexes that show NMR relaxation rates faster than dysprosium and terbium analogues. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16507-16511.	2.8	19

#	ARTICLE	IF	CITATIONS
19	Metallotexaphyrins as MRI-Active Catalytic Antioxidants for Neurodegenerative Disease: A Study on Alzheimer's Disease. <i>CheM</i> , 2020, 6, 703-724.	11.7	17
20	Sensing Uranyl(VI) Ions by Coordination and Energy Transfer to a Luminescent Europium(III) Complex. <i>Angewandte Chemie</i> , 2018, 130, 10069-10072.	2.0	12
21	Image-guided neural activity manipulation with a paramagnetic drug. <i>Nature Communications</i> , 2020, 11, 136.	12.8	9
22	Covalent Attachment of Active Enzymes to Upconversion Phosphors Allows Ratiometric Detection of Substrates. <i>Chemistry - A European Journal</i> , 2020, 26, 14817-14822.	3.3	8
23	Expanding the Scope of Biomolecule Monitoring with Ratiometric Signaling from Rare-Earth Upconverting Phosphors. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5176-5185.	2.0	7