

Eric M Gale

List of Publications by Year in descending order

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papers

2,561
citations

279487

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414034

32
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docs citations

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times ranked

3024
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry of MRI Contrast Agents: Current Challenges and New Frontiers. <i>Chemical Reviews</i> , 2019, 119, 957-1057.	23.0	977
2	A Manganese Alternative to Gadolinium for MRI Contrast. <i>Journal of the American Chemical Society</i> , 2015, 137, 15548-15557.	6.6	262
3	MR imaging probes: design and applications. <i>Dalton Transactions</i> , 2015, 44, 4804-4818.	1.6	112
4	Molecular Magnetic Resonance Imaging Using a Redox-Active Iron Complex. <i>Journal of the American Chemical Society</i> , 2019, 141, 5916-5925.	6.6	96
5	Direct Measurement of the Mn(II) Hydration State in Metal Complexes and Metalloproteins through ^{17}O NMR Line Widths. <i>Journal of the American Chemical Society</i> , 2013, 135, 18600-18608.	6.6	92
6	A Manganese-based Alternative to Gadolinium: Contrast-enhanced MR Angiography, Excretion, Pharmacokinetics, and Metabolism. <i>Radiology</i> , 2018, 286, 865-872.	3.6	87
7	Applications for Transition-Metal Chemistry in Contrast-Enhanced Magnetic Resonance Imaging. <i>Inorganic Chemistry</i> , 2020, 59, 6648-6678.	1.9	80
8	Structure-Relaxivity Relationships for Redox Responsive Manganese-Based Magnetic Resonance Imaging Probes. <i>Inorganic Chemistry</i> , 2014, 53, 10748-10761.	1.9	73
9	Manganese-Based Contrast Agents for Magnetic Resonance Imaging of Liver Tumors: Structure-Activity Relationships and Lead Candidate Evaluation. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8811-8824.	2.9	72
10	Chiral DOTA chelators as an improved platform for biomedical imaging and therapy applications. <i>Nature Communications</i> , 2018, 9, 857.	5.8	64
11	A Janus Chelator Enables Biochemically Responsive MRI Contrast with Exceptional Dynamic Range. <i>Journal of the American Chemical Society</i> , 2016, 138, 15861-15864.	6.6	59
12	Hexameric Mn(II) Dendrimer as MRI Contrast Agent. <i>Chemistry - A European Journal</i> , 2014, 20, 14507-14513.	1.7	58
13	Synthetic Analogues of Nickel Superoxide Dismutase: A New Role for Nickel in Biology. <i>Biochemistry</i> , 2013, 52, 4-18.	1.2	52
14	Gadolinium-based contrast agents in pediatric magnetic resonance imaging. <i>Pediatric Radiology</i> , 2017, 47, 507-521.	1.1	45
15	Tumor Contrast Enhancement and Whole-Body Elimination of the Manganese-Based Magnetic Resonance Imaging Contrast Agent Mn-PyC3A. <i>Investigative Radiology</i> , 2019, 54, 697-703.	3.5	45
16	Exploring the Effects of H-Bonding in Synthetic Analogues of Nickel Superoxide Dismutase (Ni-SOD): Experimental and Theoretical Implications for Protection of the Ni-SCys Bond. <i>Inorganic Chemistry</i> , 2010, 49, 7080-7096.	1.9	43
17	CM-101: Type I Collagen-targeted MR Imaging Probe for Detection of Liver Fibrosis. <i>Radiology</i> , 2018, 287, 581-589.	3.6	43
18	[Gd(CyPic3A)(H ₂ O) ₂] ⁺ : a stable, bis(aquated) and high-relaxivity Gd(III) complex. <i>Chemical Communications</i> , 2013, 49, 8060.	2.2	40

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19	Versatile Methodology Toward NiN ₂ S ₂ Complexes as Nickel Superoxide Dismutase Models: Structure and Proton Affinity. <i>Inorganic Chemistry</i> , 2009, 48, 5620-5622.	1.9	39
20	Dipeptide-Based Models of Nickel Superoxide Dismutase: Solvent Effects Highlight a Critical Role to Ni ^{II} -S Bonding and Active Site Stabilization. <i>Inorganic Chemistry</i> , 2011, 50, 10460-10471.	1.9	35
21	Toward Functional Ni-SOD Biomimetics: Achieving a Structural/Electronic Correlation with Redox Dynamics. <i>Inorganic Chemistry</i> , 2011, 50, 9216-9218.	1.9	32
22	Accessing Ni(III)-Thiolate Versus Ni(II)-Thiyl Bonding in a Family of Ni ^{II} -N ₂ S ₂ Synthetic Models of NiSOD. <i>Inorganic Chemistry</i> , 2015, 54, 3815-3828.	1.9	32
23	Gadolinium-Free Contrast Agents for Magnetic Resonance Imaging of the Central Nervous System. <i>ACS Chemical Neuroscience</i> , 2018, 9, 395-397.	1.7	28
24	Positron Emission Tomography ¹⁸ F-Magnetic Resonance Imaging Pharmacokinetics, In Vivo Biodistribution, and Whole-Body Elimination of Mn-PyC3A. <i>Investigative Radiology</i> , 2021, 56, 261-270.	3.5	24
25	Characterization of Americium and Curium Complexes with the Protein Lanmodulin: A Potential Macromolecular Mechanism for Actinide Mobility in the Environment. <i>Journal of the American Chemical Society</i> , 2021, 143, 15769-15783.	6.6	22
26	Rational Ligand Design Enables pH Control over Aqueous Iron Magnetostructural Dynamics and Relaxometric Properties. <i>Inorganic Chemistry</i> , 2020, 59, 17712-17721.	1.9	16
27	Peroxidasin Deficiency Re-programs Macrophages Toward Pro-fibrosis Function and Promotes Collagen Resolution in Liver. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1483-1509.	2.3	9
28	Prediction of Gd(III) complex thermodynamic stability. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214606.	9.5	9
29	Steric Enforcement about One Thiolate Donor Leads to New Oxidation Chemistry in a NiSOD Model Complex. <i>Inorganic Chemistry</i> , 2017, 56, 7761-7780.	1.9	8
30	Enzyme Control Over Ferric Iron Magnetostructural Properties. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	4
31	A novel tracer for in vivo optical imaging of fatty acid metabolism in the heart and brown adipose tissue. <i>Scientific Reports</i> , 2020, 10, 11209.	1.6	2
32	Enzyme Control Over Ferric Iron Magnetostructural Properties. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
33	Abstract 2454: Imaging pancreatic ductal adenocarcinoma using a zinc-sensitive MRI contrast agent: A novel method to detect early-stage PDAC lesions. <i>Cancer Research</i> , 2022, 82, 2454-2454.	0.4	0
34	Abstract 255: Peroxidasin deficiency recruits pro-healing macrophages into the liver and inhibits NAFLD progression to HCC. <i>Cancer Research</i> , 2022, 82, 255-255.	0.4	0