

# Giuseppe Ferrauto

## List of Publications by Year in descending order

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47  
papers

915  
citations

430442

18  
h-index

476904

29  
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48  
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docs citations

48  
times ranked

1234  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo maps of extracellular pH in murine melanoma by CEST MRI. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 326-332.	1.9	98
2	In vivo MRI visualization of different cell populations labeled with PARACEST agents. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1703-1711.	1.9	58
3	Lanthanide-Loaded Erythrocytes As Highly Sensitive Chemical Exchange Saturation Transfer MRI Contrast Agents. <i>Journal of the American Chemical Society</i> , 2014, 136, 638-641.	6.6	47
4	The Issue of Gadolinium Retained in Tissues. <i>Investigative Radiology</i> , 2018, 53, 167-172.	3.5	44
5	Eight-Coordinate, Stable Fe(II) Complex as a Dual $^{19}\text{F}$ and CEST Contrast Agent for Ratiometric pH Imaging. <i>Inorganic Chemistry</i> , 2017, 56, 12206-12213.	1.9	41
6	LipoCEST and cellCEST imaging agents: opportunities and challenges. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 602-618.	3.3	40
7	Gd loading by hypotonic swelling: an efficient and safe route for cellular labeling. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 475-486.	0.4	37
8	An MRI Method To Map Tumor Hypoxia Using Red Blood Cells Loaded with a $\text{pO}_2$ -Responsive Gd-Agent. <i>ACS Nano</i> , 2015, 9, 8239-8248.	7.3	36
9	Large photoacoustic effect enhancement for ICG confined inside MCM-41 mesoporous silica nanoparticles. <i>Nanoscale</i> , 2017, 9, 99-103.	2.8	34
10	Re-evaluation of the water exchange lifetime value across red blood cell membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 627-631.	1.4	33
11	Advanced cardiac chemical exchange saturation transfer (cardioCEST) MRI for <i>in vivo</i> cell tracking and metabolic imaging. <i>NMR in Biomedicine</i> , 2016, 29, 74-83.	1.6	32
12	Gd-loaded-RBCs for the assessment of tumor vascular volume by contrast-enhanced-MRI. <i>Biomaterials</i> , 2015, 58, 82-92.	5.7	29
13	Simultaneous MR imaging for tissue engineering in a rat model of stroke. <i>Scientific Reports</i> , 2015, 5, 14597.	1.6	26
14	CEST MRI for glioma pH quantification in mouse model: Validation by immunohistochemistry. <i>NMR in Biomedicine</i> , 2018, 31, e4005.	1.6	26
15	Frequency-Encoded MRI-CEST Agents Based on Paramagnetic Liposomes/RBC Aggregates. <i>Nano Letters</i> , 2014, 14, 6857-6862.	4.5	24
16	Gd accumulation in tissues of healthy mice upon repeated administrations of Gadodiamide and Gadoteridol. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 48, 239-245.	1.5	23
17	Activation of the MET receptor attenuates doxorubicin-induced cardiotoxicity in vivo and in vitro. <i>British Journal of Pharmacology</i> , 2020, 177, 3107-3122.	2.7	20
18	MRI nanoprobe based on chemical exchange saturation transfer: $\text{Ln}^{\text{III}}$ chelates anchored on the surface of mesoporous silica nanoparticles. <i>Nanoscale</i> , 2014, 6, 9604-9607.	2.8	19

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19	Enzyme-Responsive LipoCEST Agents: Assessment of MMP-2 Activity by Measuring the Intra-liposomal Water <sup>1</sup> H-NMR Shift. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12170-12173.	7.2	19
20	Complete on/off responsive ParaCEST MRI contrast agents for copper and zinc. <i>Dalton Transactions</i> , 2018, 47, 11346-11357.	1.6	19
21	Insights on the relaxation of liposomes encapsulating paramagnetic Ln-based complexes. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 468-473.	1.9	15
22	CEST-MRI studies of cells loaded with lanthanide shift reagents. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1626-1637.	1.9	15
23	Optimizing the Relaxivity of MRI Probes at High Magnetic Field Strengths With Binuclear GdIII Complexes. <i>Frontiers in Chemistry</i> , 2018, 6, 158.	1.8	14
24	Relaxometric studies of erythrocyte suspensions infected by <i>Plasmodium falciparum</i> : a tool for staging infection and testing anti-malarial drugs. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3366-3378.	1.9	13
25	Acid-catalyzed proton exchange as a novel approach for relaxivity enhancement in Gd-HPDO3A-like complexes. <i>Chemical Science</i> , 2020, 11, 7829-7835.	3.7	13
26	Photoacoustic ratiometric assessment of mitoxantrone release from theranostic ICG-conjugated mesoporous silica nanoparticles. <i>Nanoscale</i> , 2019, 11, 18031-18036.	2.8	12
27	Toll-like receptor 2 promotes breast cancer progression and resistance to chemotherapy. <i>Oncotarget</i> , 2022, 13, .	2.1	12
28	Sensitive MRI detection of internalized <sup>125</sup> I contrast agents using magnetization transfer contrast. <i>NMR in Biomedicine</i> , 2015, 28, 1663-1670.	1.6	11
29	Modulation of the Prototropic Exchange Rate in pH-Responsive Yb-HPDO3A Derivatives as ParaCEST Agents. <i>ChemistrySelect</i> , 2018, 3, 6035-6041.	0.7	11
30	Mn(II)-Conjugated silica nanoparticles as potential MRI probes. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8994-9004.	2.9	9
31	Use of FCC-NMRD relaxometry for early detection and characterization of ex-vivo murine breast cancer. <i>Scientific Reports</i> , 2019, 9, 4624.	1.6	8
32	Modifying LnHPDO3A Chelates for Improved <sup>125</sup> I and CEST MRI Applications. <i>Chemistry - A European Journal</i> , 2019, 25, 4184-4193.	1.7	8
33	Detection of U-87 Tumor Cells by RGD-Functionalized/Gd-Containing Giant Unilamellar Vesicles in Magnetization Transfer Contrast Magnetic Resonance Images. <i>Investigative Radiology</i> , 2021, 56, 301-312.	3.5	8
34	Enzyme-Responsive LipoCEST Agents: Assessment of MMP-2 Activity by Measuring the Intra-liposomal Water <sup>1</sup> H-NMR Shift. <i>Angewandte Chemie</i> , 2017, 129, 12338-12341.	1.6	7
35	Generation of multiparametric MRI maps by using Gd-labelled- RBCs reveals phenotypes and stages of murine prostate cancer. <i>Scientific Reports</i> , 2018, 8, 10567.	1.6	7
36	A Simple and Fast Assay Based on Carboxyfluorescein-Loaded Liposome for Quantitative DNA Detection. <i>ACS Omega</i> , 2020, 5, 1764-1772.	1.6	7

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37	Supramolecular adducts between macrocyclic Gd(III) complexes and polyaromatic systems: a route to enhance the relaxivity through the formation of hydrophobic interactions. <i>Chemical Science</i> , 2021, 12, 1368-1377.	3.7	7
38	Chapter 3. Chemical Exchange Saturation Transfer (CEST) Contrast Agents. <i>New Developments in NMR</i> , 2017, , 243-317.	0.1	7
39	Development and characterization of lanthanide-HPDO3A-C16-based micelles as CEST-MRI contrast agents. <i>Dalton Transactions</i> , 2019, 48, 5343-5351.	1.6	6
40	Multilamellar LipoCEST Agents Obtained from Osmotic Shrinkage of Paramagnetically Loaded Giant Unilamellar Vesicles (GUVs). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2279-2283.	7.2	5
41	The interaction between iodinated X-ray contrast agents and macrocyclic GBCAs provides a signal enhancement in T <sub>1</sub> -weighted MR images: Insights into the renal excretion pathways of Gd-HPDO3A and iodixanol in healthy mice. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 357-364.	1.9	4
42	Water Diffusion Modulates the CEST Effect on Tb(III)-Mesoporous Silica Probes. <i>Magnetochemistry</i> , 2020, 6, 38.	1.0	3
43	Compartmentalized agents: A powerful strategy for enhancing the detection sensitivity of chemical exchange saturation transfer contrast. <i>NMR in Biomedicine</i> , 2023, 36, .	1.6	3
44	Multilamellar LipoCEST Agents Obtained from Osmotic Shrinkage of Paramagnetically Loaded Giant Unilamellar Vesicles (GUVs). <i>Angewandte Chemie</i> , 2020, 132, 2299-2303.	1.6	2
45	LipHosomes: Reporters for Ligand/Anti-Ligand Assays Based On pH Readout. <i>Analysis &amp; Sensing</i> , 2021, 1, 48-53.	1.1	1
46	Effects of Cations on HPTS Fluorescence and Quantification of Free Gadolinium Ions in Solution; Assessment of Intracellular Release of Gd <sup>3+</sup> from Gd-Based MRI Contrast Agents. <i>Molecules</i> , 2022, 27, 2490.	1.7	1
47	Studies of the hydrophobic interaction between a pyrene-containing dye and a tetra-aza macrocyclic gadolinium complex. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3494-3504.	3.0	1