

Xin Zhou

List of Publications by Year in descending order

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141
papers

5,263
citations

117625

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95266

68
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143
all docs

143
docs citations

143
times ranked

6475
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	14.6	976
2	SrB ₅ O ₇ F ₃ Functionalized with [B ₅ O ₉ F ₃] ⁶⁻ Chromophores: Accelerating the Rational Design of Deep-Ultraviolet Nonlinear Optical Materials. Angewandte Chemie - International Edition, 2018, 57, 6095-6099.	13.8	581
3	Small Infrared Target Detection Based on Weighted Local Difference Measure. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4204-4214.	6.3	226
4	Recent progress on the development of glutathione (GSH) selective fluorescent and colorimetric probes. Coordination Chemistry Reviews, 2018, 366, 29-68.	18.8	206
5	Manganese Dioxide Coating-Instructed Plasmonic Modulation of Gold Nanorods for Activatable Duplex Imaging-Guided NIR-II Photothermal-Chemodynamic Therapy. Advanced Materials, 2021, 33, e2008540.	21.0	198
6	Hyperpolarized Xe NMR signal advancement by metal-organic framework entrapment in aqueous solution. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17558-17563.	7.1	175
7	Infrared small-target detection using multiscale gray difference weighted image entropy. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 60-72.	4.7	157
8	A Versatile Theranostic Nanoemulsion for Architecture-Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy. Advanced Materials, 2019, 31, e1806444.	21.0	124
9	Vitamin D Supplements for Prevention of Tuberculosis Infection and Disease. New England Journal of Medicine, 2020, 383, 359-368.	27.0	103
10	Damaged lung gas exchange function of discharged COVID-19 patients detected by hyperpolarized ¹²⁹ Xe MRI. Science Advances, 2021, 7, .	10.3	97
11	Entropy-based window selection for detecting dim and small infrared targets. Pattern Recognition, 2017, 61, 66-77.	8.1	85
12	Fluorine-Driven Enhancement of Birefringence in the Fluorooxosulfate: A Deep Evaluation from a Joint Experimental and Computational Study. Advanced Science, 2021, 8, e2003594.	11.2	83
13	Accelerate gas diffusion-weighted MRI for lung morphometry with deep learning. European Radiology, 2022, 32, 702-713.	4.5	71
14	Design and Synthesis of Fluorinated Dendrimers for Sensitive ¹⁹ F MRI. Journal of Organic Chemistry, 2015, 80, 4443-4449.	3.2	53
15	Image enhancement based on intuitionistic fuzzy sets theory. IET Image Processing, 2016, 10, 701-709.	2.5	53
16	Beyond the Roles in Biomimetic Chemistry: An Insight into the Intrinsic Catalytic Activity of an Enzyme for Tumor-Selective Phototheranostics. ACS Nano, 2018, 12, 12169-12180.	14.6	52
17	pH-Triggered Au-fluorescent mesoporous silica nanoparticles for ¹⁹ F MR/fluorescent multimodal cancer cellular imaging. Chemical Communications, 2014, 50, 283-285.	4.1	51
18	Image-guided chemotherapy with specifically tuned blood brain barrier permeability in glioma margins. Theranostics, 2018, 8, 3126-3137.	10.0	50

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19	Hyperpolarized xenon NMR and MRI signal amplification by gas extraction. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16903-16906.	7.1	49
20	MRI of stroke using hyperpolarized ¹²⁹ Xe. NMR in Biomedicine, 2011, 24, 170-175.	2.8	48
21	Distribution of Hyperpolarized Xenon in the Brain Following Sensory Stimulation: Preliminary MRI Findings. PLoS ONE, 2011, 6, e21607.	2.5	46
22	Design and Synthesis of Fluorinated Amphiphile as ¹⁹ F MRI/Fluorescence Dual-Imaging Agent by Tuning the Self-Assembly. Journal of Organic Chemistry, 2015, 80, 6360-6366.	3.2	45
23	A Multiscale Fuzzy Metric for Detecting Small Infrared Targets Against Chaotic Cloudy/Sea-Sky Backgrounds. IEEE Transactions on Cybernetics, 2019, 49, 1694-1707.	9.5	45
24	<i>In vivo</i> drug tracking with ¹⁹ F MRI at therapeutic dose. Chemical Communications, 2018, 54, 3875-3878.	4.1	43
25	One-pot synthesis of polyamines improved magnetism and fluorescence Fe ₃ O ₄ @ ¹³ C carbon dots hybrid NPs for dual modal imaging. Dalton Transactions, 2016, 45, 5484-5491.	3.3	42
26	Engineered Paramagnetic Graphene Quantum Dots with Enhanced Relaxivity for Tumor Imaging. Nano Letters, 2019, 19, 441-448.	9.1	41
27	Mitochondria Targeted and Intracellular Biothiol Triggered Hyperpolarized ¹²⁹ Xe Magnetofluorescent Biosensor. Analytical Chemistry, 2017, 89, 2288-2295.	6.5	40
28	CRISPR-Cas12a <i>in trans</i> -cleaves DNA G-quadruplexes. Chemical Communications, 2020, 56, 12526-12529.	4.1	40
29	Albumin-constrained large-scale synthesis of renal clearable ferrous sulfide quantum dots for T1-Weighted MR imaging and phototheranostics of tumors. Biomaterials, 2020, 255, 120186.	11.4	40
30	MRI-visible liposome nanovehicles for potential tumor-targeted delivery of multimodal therapies. Nanoscale, 2015, 7, 12843-12850.	5.6	39
31	Discovery of a ¹⁹ F MRI sensitive salinomycin derivative with high cytotoxicity towards cancer cells. Chemical Communications, 2016, 52, 5136-5139.	4.1	39
32	Delicately Designed Cancer Cell Membrane-Camouflaged Nanoparticles for Targeted ¹⁹ F MR/PA/FL Imaging-Guided Photothermal Therapy. ACS Applied Materials & Interfaces, 2020, 12, 57290-57301.	8.0	38
33	Quantitative evaluation of radiation-induced lung injury with hyperpolarized xenon magnetic resonance. Magnetic Resonance in Medicine, 2016, 76, 408-416.	3.0	36
34	MRI-guided liposomes for targeted tandem chemotherapy and therapeutic response prediction. Acta Biomaterialia, 2016, 35, 260-268.	8.3	36
35	Structural Insights into the Mechanism of High-Affinity Binding of Ochratoxin A by a DNA Aptamer. Journal of the American Chemical Society, 2022, 144, 7731-7740.	13.7	36
36	Magnetic Resonance Spectroscopy as a Tool for Assessing Macromolecular Structure and Function in Living Cells. Annual Review of Analytical Chemistry, 2017, 10, 157-182.	5.4	35

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37	A theoretical analysis of chemical exchange saturation transfer echo planar imaging (CEST) steady state solution and the CEST sensitivity efficiency-based optimization approach. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 415-423.	0.8	33
38	Reinvestigating hyperpolarized ^{129}Xe longitudinal relaxation time in the rat brain with noise considerations. <i>NMR in Biomedicine</i> , 2008, 21, 217-225.	2.8	32
39	Mammogram Enhancement Using Intuitionistic Fuzzy Sets. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 1803-1814.	4.2	31
40	Perfusion and plaque evaluation to predict recurrent stroke in symptomatic middle cerebral artery stenosis. <i>Stroke and Vascular Neurology</i> , 2019, 4, 129-134.	3.3	29
41	Detection and differentiation of Cys, Hcy and GSH mixtures by ^{19}F NMR probe. <i>Talanta</i> , 2018, 184, 513-519.	5.5	27
42	pH-responsive theranostic nanocomposites as synergistically enhancing positive and negative magnetic resonance imaging contrast agents. <i>Journal of Nanobiotechnology</i> , 2018, 16, 30.	9.1	26
43	Biothiol Xenon MRI Sensor Based on Thiol-Addition Reaction. <i>Analytical Chemistry</i> , 2016, 88, 5835-5840.	6.5	25
44	Increasing Cancer Therapy Efficiency through Targeting and Localized Light Activation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23400-23408.	8.0	25
45	Paramagnetic nanoemulsions with unified signals for sensitive ^{19}F MRI cell tracking. <i>Chemical Communications</i> , 2018, 54, 6000-6003.	4.1	25
46	Synthesis and biological evaluation of 20-epi-amino-20-deoxysalinomycin derivatives. <i>European Journal of Medicinal Chemistry</i> , 2018, 148, 279-290.	5.5	24
47	Lung morphometry using hyperpolarized ^{129}Xe multi- b diffusion MRI with compressed sensing in healthy subjects and patients with COPD. <i>Medical Physics</i> , 2018, 45, 3097-3108.	3.0	24
48	Altered Spontaneous Brain Activity in Patients with Acute Spinal Cord Injury Revealed by Resting-State Functional MRI. <i>PLoS ONE</i> , 2015, 10, e0118816.	2.5	24
49	Fast and accurate reconstruction of human lung gas MRI with deep learning. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 2273-2285.	3.0	23
50	Detection and Chiral Recognition of \pm -Hydroxyl Acid through ^1H and CEST NMR Spectroscopy Using a Ytterbium Macrocyclic Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18286-18289.	13.8	23
51	A Molecular Imaging Approach to Mercury Sensing Based on Hyperpolarized ^{129}Xe Molecular Clamp Probe. <i>Chemistry - A European Journal</i> , 2016, 22, 3967-3970.	3.3	22
52	Ultralow field NMR spectrometer with an atomic magnetometer near room temperature. <i>Journal of Magnetic Resonance</i> , 2013, 237, 158-163.	2.1	21
53	^{19}F CEST imaging probes for metal ion detection. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6441-6446.	2.8	21
54	Structure-Relaxivity Mechanism of an Ultrasmall Ferrite Nanoparticle $T_{1\rho}$ MR Contrast Agent: The Impact of Dopants Controlled Crystalline Core and Surface Disordered Shell. <i>Nano Letters</i> , 2021, 21, 1115-1123.	9.1	21

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55	Peptidic Monodisperse PEG α -combs with Fine-Tunable LCST and Multiple Imaging Modalities. <i>Biomacromolecules</i> , 2019, 20, 1281-1287.	5.4	20
56	Fluorinated porphyrin-based theranostics for dual imaging and chemo-photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4469-4474.	5.8	20
57	Perfluoro- <i>tert</i> -butanol: a cornerstone for high performance fluorine-19 magnetic resonance imaging. <i>Chemical Communications</i> , 2021, 57, 7743-7757.	4.1	20
58	A fluorinated aza-BODIPY derivative for NIR fluorescence/PA/ ¹⁹ F MR tri-modality <i>in vivo</i> imaging. <i>Chemical Communications</i> , 2019, 55, 5851-5854.	4.1	18
59	Peptidic Monodisperse PEG α -Comb as Multifunctional α -Add α -Module for Imaging α -Traceable and Thermo α -Responsive Theranostics. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901331.	7.6	18
60	Ba(B2OF3(OH)2)2 with well-ordered OH/F anions and a unique B2OF3(OH)2 dimer. <i>Chemical Communications</i> , 2020, 56, 3301-3304.	4.1	18
61	Hyperpolarized ¹²⁹ Xe Magnetic Resonance Imaging Sensor for H ₂ S. <i>Chemistry - A European Journal</i> , 2017, 23, 7648-7652.	3.3	17
62	Single breath α hold measurement of pulmonary gas exchange and diffusion in humans with hyperpolarized ¹²⁹ Xe MR. <i>NMR in Biomedicine</i> , 2019, 32, e4068.	2.8	17
63	Fluorinated cryptophane-A and porphyrin-based theranostics for multimodal imaging-guided photodynamic therapy. <i>Chemical Communications</i> , 2020, 56, 3617-3620.	4.1	17
64	Correlation of visual area with tremor improvement after MRgFUS thalamotomy in Parkinson α ™s disease. <i>Journal of Neurosurgery</i> , 2022, 136, 681-688.	1.6	17
65	A congenital CMV infection model for follow-up studies of neurodevelopmental disorders, neuroimaging abnormalities, and treatment. <i>JCI Insight</i> , 2022, 7, .	5.0	17
66	Rational design of hyperpolarized xenon NMR molecular sensor for the selective and sensitive determination of zinc ions. <i>Talanta</i> , 2014, 122, 101-105.	5.5	16
67	Detection of the mild emphysema by quantification of lung respiratory airways with hyperpolarized xenon diffusion MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 879-888.	3.4	16
68	¹²⁹ Xe Hyper-CEST/ ¹⁹ F MRI Multimodal Imaging System for Sensitive and Selective Tumor Cells Detection. <i>ACS Applied Bio Materials</i> , 2019, 2, 27-32.	4.6	16
69	Quantitatively Fine-Tuning the Physicochemical and Biological Properties of Peptidic Polymers through Monodisperse PEGylation. <i>Biomacromolecules</i> , 2020, 21, 725-731.	5.4	15
70	Coloring ultrasensitive MRI with tunable metal α organic frameworks. <i>Chemical Science</i> , 2021, 12, 4300-4308.	7.4	15
71	BaB ₄ O ₅ F ₄ with reversible phase transition featuring unprecedented fundamental building blocks of [B ₁₆ O ₂₁ F ₁₆] in the α -phase and [B ₄ O ₆ F ₄] in the β -phase. <i>Chemical Communications</i> , 2021, 57, 4182-4185.	4.1	15
72	Design, synthesis and evaluation of novel ¹⁹ F magnetic resonance sensitive protein tyrosine phosphatase inhibitors. <i>MedChemComm</i> , 2016, 7, 1672-1680.	3.4	14

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73	Detection of subnanotesla oscillatory magnetic fields using ^1H MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 519-526.	3.0	14
74	Monitoring Fluorinated Dendrimer-Based Self-Assembled Drug-Delivery Systems with ^{19}F Magnetic Resonance. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4461-4468.	2.4	14
75	Considering low-rank, sparse and gas-inflow effects constraints for accelerated pulmonary dynamic hyperpolarized ^{129}Xe MRI. <i>Journal of Magnetic Resonance</i> , 2018, 290, 29-37.	2.1	14
76	Free-base porphyrins as CEST MRI contrast agents with highly upfield shifted labile protons. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 577-585.	3.0	14
77	Analysis of Characteristics in Death Patients with COVID-19 Pneumonia without Underlying Diseases. <i>Academic Radiology</i> , 2020, 27, 752.	2.5	14
78	Body temperature sensitive micelles for MRI enhancement. <i>Chemical Communications</i> , 2015, 51, 9085-9088.	4.1	13
79	Fast Determination of Flip Angle and T1 in Hyperpolarized Gas MRI During a Single Breath-Hold. <i>Scientific Reports</i> , 2016, 6, 25854.	3.3	13
80	Direct detection of optogenetically evoked oscillatory neuronal electrical activity in rats using SLOE sequence. <i>NeuroImage</i> , 2016, 125, 533-543.	4.2	13
81	Constant-variable flip angles for hyperpolarized media MRI. <i>Journal of Magnetic Resonance</i> , 2016, 263, 92-100.	2.1	12
82	Potential detection of cancer with fluorinated silicon nanoparticles in ^{19}F MR and fluorescence imaging. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4293-4300.	5.8	12
83	Quantitative evaluation of lung injury caused by $\text{PM}_{2.5}$ using hyperpolarized gas magnetic resonance. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 569-578.	3.0	12
84	Oxygen-dependent hyperpolarized ^{129}Xe brain MR. <i>NMR in Biomedicine</i> , 2016, 29, 220-225.	2.8	11
85	Adaptive Intuitionistic Fuzzy Enhancement of Brain Tumor MR Images. <i>Scientific Reports</i> , 2016, 6, 35760.	3.3	11
86	A Small Molecular Multifunctional Tool for pH Detection, Fluorescence Imaging, and Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 1779-1786.	4.6	11
87	Hyperpolarized Noble Gases as Contrast Agents. <i>Methods in Molecular Biology</i> , 2011, 771, 189-204.	0.9	11
88	Tissue Characterization with Quantitative High-Resolution Magic Angle Spinning Chemical Exchange Saturation Transfer Z-Spectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 10379-10383.	6.5	10
89	Simultaneous assessment of both lung morphometry and gas exchange function within a single breath-hold by hyperpolarized ^{129}Xe MRI. <i>NMR in Biomedicine</i> , 2017, 30, e3730.	2.8	10
90	Enhancement of solid-state proton NMR via the spin-polarization-induced nuclear Overhauser effect with laser-polarized xenon. <i>Physical Review B</i> , 2004, 70, .	3.2	9

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91	Highly and Adaptively Undersampling Pattern for Pulmonary Hyperpolarized ¹²⁹ Xe Dynamic MRI. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1240-1250.	8.9	9
92	Facile Synthesis of Novel Perfluorocarbon-Modulated 4-Anilinoquinazoline Analogues. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1693-1700.	4.9	8
93	An intracellular diamine oxidase triggered hyperpolarized ¹²⁹ Xe magnetic resonance biosensor. <i>Chemical Communications</i> , 2018, 54, 13654-13657.	4.1	8
94	Detection and Chiral Recognition of \pm -Hydroxyl Acid through ¹ H and CEST NMR Spectroscopy Using a Ytterbium Macrocylic Complex. <i>Angewandte Chemie</i> , 2019, 131, 18454-18457.	2.0	8
95	NMR Spectroscopic Approach Reveals Metabolic Diversity of Human Blood Plasma Associated with Protein-Drug Interaction. <i>Analytical Chemistry</i> , 2013, 85, 8601-8608.	6.5	7
96	Synthesis of Branched Monodisperse Oligoethylene Glycols and ¹⁹ F MRI-Traceable Biomaterials through Reductive Dimerization of Azides. <i>Journal of Organic Chemistry</i> , 2020, 85, 6778-6787.	3.2	7
97	Relationship between Lung and Brain Injury in COVID-19 Patients: A Hyperpolarized ¹²⁹ Xe-MRI-based 8-Month Follow-Up. <i>Biomedicines</i> , 2022, 10, 781.	3.2	7
98	Experiment and dynamic simulations of radiation damping of laser-polarized liquid ¹²⁹ Xe at low magnetic field in a flow system. <i>Applied Magnetic Resonance</i> , 2004, 26, 327-337.	1.2	6
99	Quantitative evaluation of pulmonary gas-exchange function using hyperpolarized ¹²⁹ Xe CEST MRS and MRI. <i>NMR in Biomedicine</i> , 2018, 31, e3961.	2.8	6
100	REAL-1, an Effective Approach for Noise Suppression in NMR Spectroscopy Based on Resampling Algorithm. <i>Chinese Journal of Chemistry</i> , 2020, 38, 77-81.	4.9	6
101	Efficient temperature-feedback liposome for ¹⁹ F MRI signal enhancement. <i>Chemical Communications</i> , 2020, 56, 14427-14430.	4.1	6
102	NMR Reveals the Conformational Changes of Cytochrome C upon Interaction with Cardiolipin. <i>Life</i> , 2021, 11, 1031.	2.4	6
103	Accelerating susceptibility-weighted imaging with deep learning by complex-valued convolutional neural network (ComplexNet): validation in clinical brain imaging. <i>European Radiology</i> , 2022, 32, 5679-5687.	4.5	6
104	Partially fluorinated nanoemulsions for ¹⁹ F MRI-fluorescence dual imaging cell tracking. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 215, 112493.	5.0	6
105	Atomic filter based on stimulated Raman transition at the rubidium D1 line. <i>Optics Express</i> , 2015, 23, 17988.	3.4	5
106	Assessment of pulmonary microstructural changes by hyperpolarized ¹²⁹ Xe diffusion-weighted imaging in an elastase-instilled rat model of emphysema. <i>Journal of Thoracic Disease</i> , 2017, 9, 2572-2578.	1.4	5
107	Cancer Theranostics: A Versatile Theranostic Nanoemulsion for Architecture-Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy (Adv. Mater. 21/2019). <i>Advanced Materials</i> , 2019, 31, 1970155.	21.0	5
108	Quieting an environmental magnetic field without shielding. <i>Review of Scientific Instruments</i> , 2020, 91, 085107.	1.3	5

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109	Silica nanoparticle coated perfluorooctyl bromide for ultrasensitive MRI. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5014-5018.	5.8	5
110	NMR for Mixture Analysis: Concentration-Ordered Spectroscopy. <i>Analytical Chemistry</i> , 2021, 93, 9697-9703.	6.5	5
111	Synthesis of trifluoromethylated aza-BODIPYs as fluorescence- ¹⁹ F MRI dual imaging and photodynamic agents. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3335-3341.	2.8	5
112	Abnormal dynamic ventilation function of COVID-19 survivors detected by pulmonary free-breathing proton MRI. <i>European Radiology</i> , 2022, 32, 5297-5307.	4.5	5
113	Measurement of the internal diameter of plastic tubes from projection MR images using a model-based least-squares fit approach. <i>Medical Physics</i> , 2006, 33, 1643-1653.	3.0	4
114	Quantitative estimation of SPINOE enhancement in solid state. <i>Journal of Magnetic Resonance</i> , 2009, 196, 200-203.	2.1	4
115	Highly sensitive detection of mercury (II) in aqueous media by tetraphenylporphyrin with a metal ion receptor. <i>Supramolecular Chemistry</i> , 2014, 26, 836-842.	1.2	4
116	Structural insight into the length-dependent binding of ssDNA by SP_0782 from <i>Streptococcus pneumoniae</i> , reveals a divergence in the DNA-binding interface of PC4-like proteins. <i>Nucleic Acids Research</i> , 2019, 48, 432-444.	14.5	4
117	Space-Based Enhancement of Pulmonary Hyperpolarized ¹²⁹ Xe Ventilation Images. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 3950-3961.	4.7	4
118	A pilot study of function-based radiation therapy planning for lung cancer using hyperpolarized xenon ¹²⁹ ventilation MRI. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13502.	1.9	4
119	Hydrofluorocarbon nanoparticles for ¹⁹ F MRI-fluorescence dual imaging and chemo-photodynamic therapy. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1299-1305.	2.8	4
120	A europium ^{III} lipoprotein nanocomposite for highly-sensitive MR-fluorescence multimodal imaging. <i>RSC Advances</i> , 2015, 5, 1808-1811.	3.6	3
121	Detection of smoke-induced pulmonary lesions by hyperpolarized ¹²⁹ Xe diffusion kurtosis imaging in rat models. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1891-1899.	3.0	3
122	Progressive CT findings and positive RT-PCR again of recovered and discharged patients with COVID-19. <i>Journal of Thoracic Disease</i> , 2020, 12, 3439-3441.	1.4	3
123	Early prediction of lung lesion progression in COVID-19 patients with extended CT ventilation imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 4339-4349.	6.4	3
124	Ultrasensitive molecular building block for biorthogonal NMR detection at picomolar concentrations. <i>IScience</i> , 2021, 24, 103515.	4.1	3
125	Synthesis of SCF ₃ -Substituted Sulfonium Ylides from Sulfonium Salts or α -Bromoacetic Esters. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 738-743.	4.3	3
126	Hyperpolarized Xenon Brain MRI. , 2012, , .		2

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127	Quantitative comparison of lung physiological parameters in single and multiple breathhold with hyperpolarized xenon magnetic resonance. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 055013.	1.2	2
128	Characterization of the interaction interface and conformational dynamics of human TGIF1 homeodomain upon the binding of consensus DNA. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 1021-1028.	2.3	2
129	Improvement in the signal amplitude and bandwidth of an optical atomic magnetometer via alignment-to-orientation conversion. <i>Optics Express</i> , 2021, 29, 28680.	3.4	2
130	CSI-LSTM: a web server to predict protein secondary structure using bidirectional long short term memory and NMR chemical shifts. <i>Journal of Biomolecular NMR</i> , 2021, 75, 393-400.	2.8	2
131	Molecular Concentration Determination Using Long-Interval Chemical Exchange Inversion Transfer (CEIT) NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8652-8657.	4.6	2
132	Ultranarrow bandwidth tunable atomic filter via quantum interference-induced polarization rotation in Rb vapor. <i>Chinese Optics Letters</i> , 2014, 12, 121404-121407.	2.9	2
133	Systematic Investigations on the Metabolic and Transcriptomic Regulation of Lactate in the Human Colon Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6262.	4.1	2
134	Arterial Spin Labeling ¹ -Based ¹ H MRI Estimation of Penumbra Tissue in Acute Ischemic Stroke. <i>Journal of Magnetic Resonance Imaging</i> , 2023, 57, 1241-1247.	3.4	2
135	Photosensitive MRI biosensor for BCRP-Targeted uptake and light-induced inhibition of tumor cells. <i>Talanta</i> , 2021, 233, 122501.	5.5	1
136	Posterior Cerebral Artery Aneurysm Re-Rupture Following Revascularization for Moyamoya Disease. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 106048.	1.6	1
137	Synthesis of symmetrical secondary oligoethylene glycolated amines from diethanolamine. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5129-5138.	2.8	1
138	Protocol for detecting substrates in living cells by targeted molecular probes through hyperpolarized ¹²⁹ Xe MRI. <i>STAR Protocols</i> , 2022, 3, 101499.	1.2	1
139	Doppler-free spectroscopy of rubidium atoms driven by a control laser. <i>Frontiers of Physics</i> , 2012, 7, 311-314.	5.0	0
140	Human Pulmonary Hyperpolarized ¹²⁹ Xe MRI: a Preliminary Study. <i>Chinese Physics Letters</i> , 2018, 35, 058701.	3.3	0
141	Evaluation of injuries caused by coronavirus disease 2019 using multi-nuclei magnetic resonance imaging. <i>Magnetic Resonance Letters</i> , 2021, 1, 2-10.	1.3	0