Xin Zhou

List of Publications by Year
in descending order

141 papers	5,263 citations	117625 34 h-index	95266 68 g-index
143 all docs	143 docs citations	143 times ranked	6475 citing authors

#	Article	IF	Citations
1	Arterial Spin Labelingâ€Based <scp>MRI</scp> Estimation of Penumbral Tissue in Acute Ischemic Stroke. Journal of Magnetic Resonance Imaging, 2023, 57, 1241-1247.	3.4	2
2	Accelerate gas diffusion-weighted MRI for lung morphometry with deep learning. European Radiology, 2022, 32, 702-713.	4.5	71
3	Correlation of visual area with tremor improvement after MRgFUS thalamotomy in Parkinsonâ€™s disease. Journal of Neurosurgery, 2022, 136, 681-688.	1.6	17
4	A pilot study of functionâ€based radiation therapy planning for lung cancer using hyperpolarized xenonâ€129 ventilation MRI. Journal of Applied Clinical Medical Physics, 2022, 23, e13502.	1.9	4
5	Hydrofluorocarbon nanoparticles for ¹⁹F MRI-fluorescence dual imaging and chemo-photodynamic therapy. Organic and Biomolecular Chemistry, 2022, 20, 1299-1305.	2.8	4
6	Synthesis of SCF₃â€Substituted Sulfonium Ylides from Sulfonium Salts or Î±â€Bromoacetic Esters. Advanced Synthesis and Catalysis, 2022, 364, 738-743.	4.3	3
7	A congenital CMV infection model for follow-up studies of neurodevelopmental disorders, neuroimaging abnormalities, and treatment. JCI Insight, 2022, 7, .	5.0	17
8	Synthesis of trifluoromethylated aza-BODIPYs as fluorescence-¹⁹F MRI dual imaging and photodynamic agents. Organic and Biomolecular Chemistry, 2022, 20, 3335-3341.	2.8	5
9	Accelerating susceptibility-weighted imaging with deep learning by complex-valued convolutional neural network (ComplexNet): validation in clinical brain imaging. European Radiology, 2022, 32, 5679-5687.	4.5	6
10	Abnormal dynamic ventilation function of COVID-19 survivors detected by pulmonary free-breathing proton MRI. European Radiology, 2022, 32, 5297-5307.	4.5	5
11	Relationship between Lung and Brain Injury in COVID-19 Patients: A Hyperpolarized 129Xe-MRI-based 8-Month Follow-Up. Biomedicines, 2022, 10, 781.	3.2	7
12	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
13	Partially fluorinated nanoemulsions for 19F MRI-fluorescence dual imaging cell tracking. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112493.	5.0	6
14	Systematic Investigations on the Metabolic and Transcriptomic Regulation of Lactate in the Human Colon Epithelial Cells. International Journal of Molecular Sciences, 2022, 23, 6262.	4.1	2
15	Synthesis of symmetrical secondary oligoethylene glycolated amines from diethanolamine. Organic and Biomolecular Chemistry, 2022, 20, 5129-5138.	2.8	1
16	Protocol for detecting substrates in living cells by targeted molecular probes through hyperpolarized 129Xe MRI. STAR Protocols, 2022, 3, 101499.	1.2	1
17	Damaged lung gas exchange function of discharged COVID-19 patients detected by hyperpolarized ¹²⁹ Xe MRI. Science Advances, 2021, 7, .	10.3	97
18	Perfluoro-tert-butanol: a cornerstone for high performance fluorine-19 magnetic resonance imaging. Chemical Communications, 2021, 57, 7743-7757.	4.1	20

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19	Structureâ€“Relaxivity Mechanism of an Ultrasmall Ferrite Nanoparticle T₁ MR Contrast Agent: The Impact of Dopants Controlled Crystalline Core and Surface Disordered Shell. Nano Letters, 2021, 21, 1115-1123.	9.1	21
20	Coloring ultrasensitive MRI with tunable metalâ€“organic frameworks. Chemical Science, 2021, 12, 4300-4308.	7.4	15
21	Manganeseâ€Dioxideâ€Coatingâ€Instructed Plasmonic Modulation of Gold Nanorods for Activatable Duplexâ€Imagingâ€Guided NIRâ€II Photothermalâ€Chemodynamic Therapy. Advanced Materials, 2021, 33, e2008540.	21.0	198
22	Fluorineâ€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
23	Early prediction of lung lesion progression in COVID-19 patients with extended CT ventilation imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 4339-4349.	6.4	3
24	NMR for Mixture Analysis: Concentration-Ordered Spectroscopy. Analytical Chemistry, 2021, 93, 9697-9703.	6.5	5
25	Improvement in the signal amplitude and bandwidth of an optical atomic magnetometer via alignment-to-orientation conversion. Optics Express, 2021, 29, 28680.	3.4	2
26	Evaluation of injuries caused by coronavirus disease 2019 using multi-nuclei magnetic resonance imaging. Magnetic Resonance Letters, 2021, 1, 2-10.	1.3	0
27	CSI-LSTM: a web server to predict protein secondary structure using bidirectional long short term memory and NMR chemical shifts. Journal of Biomolecular NMR, 2021, 75, 393-400.	2.8	2
28	NMR Reveals the Conformational Changes of Cytochrome C upon Interaction with Cardiolipin. Life, 2021, 11, 1031.	2.4	6
29	Molecular Concentration Determination Using Long-Interval Chemical Exchange Inversion Transfer (CEIT) NMR Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 8652-8657.	4.6	2
30	Photosensitive MRI biosensor for BCRP-Targeted uptake and light-induced inhibition of tumor cells. Talanta, 2021, 233, 122501.	5.5	1
31	Posterior Cerebral Artery Aneurysm Re-Rupture Following Revascularization for Moyamoya Disease. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 106048.	1.6	1
32	BaB₄O₅F₄ with reversible phase transition featuring unprecedented fundamental building blocks of [B₁₆O₂₁F₁₆] in the Î±-phase and [B₄O₆F₄] in the Î²-phase. Chemical Communications, 2021, 57, 4182-4185.	4.1	15
33	Ultrasensitive molecular building block for biothiol NMR detection at picomolar concentrations. IScience, 2021, 24, 103515.	4.1	3
34	REALâ€t₁, an Effective Approach for t₁â€Noise Suppression in NMR Spectroscopy Based on Resampling Algorithm. Chinese Journal of Chemistry, 2020, 38, 77-81.	4.9	6
35	A Small Molecular Multifunctional Tool for pH Detection, Fluorescence Imaging, and Photodynamic Therapy. ACS Applied Bio Materials, 2020, 3, 1779-1786.	4.6	11
36	Quantitative evaluation of lung injury caused by PM_{2.5} using hyperpolarized gas magnetic resonance. Magnetic Resonance in Medicine, 2020, 84, 569-578.	3.0	12

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37	Quantitatively Fine-Tuning the Physicochemical and Biological Properties of Peptidic Polymers through Monodisperse PEGylation. Biomacromolecules, 2020, 21, 725-731.	5.4	15
38	Peptidic Monodisperse PEG â€œCombâ€•as Multifunctional â€œAddâ€Onâ€•Module for Imagingâ€Traceable and Thermoâ€Responsive Theranostics. Advanced Healthcare Materials, 2020, 9, e1901331.	7.6	18
39	Vitamin D Supplements for Prevention of Tuberculosis Infection and Disease. New England Journal of Medicine, 2020, 383, 359-368.	27.0	103
40	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
41	Delicately Designed Cancer Cell Membrane-Camouflaged Nanoparticles for Targeted ¹⁹F MR/PA/FL Imaging-Guided Photothermal Therapy. ACS Applied Materials & Interfaces, 2020, 12, 57290-57301.	8.0	38
42	Quieting an environmental magnetic field without shielding. Review of Scientific Instruments, 2020, 91, 085107.	1.3	5
43	CRISPR-Cas12a trans-cleaves DNA G-quadruplexes. Chemical Communications, 2020, 56, 12526-12529.	4.1	40
44	Efficient temperature-feedback liposome for ¹⁹F MRI signal enhancement. Chemical Communications, 2020, 56, 14427-14430.	4.1	6
45	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
46	Progressive CT findings and positive RT-PCR again of recovered and discharged patients with COVID-19. Journal of Thoracic Disease, 2020, 12, 3439-3441.	1.4	3
47	Fluorinated cryptophane-A and porphyrin-based theranostics for multimodal imaging-guided photodynamic therapy. Chemical Communications, 2020, 56, 3617-3620.	4.1	17
48	Ba(B2OF3(OH)2)2 with well-ordered OH/F anions and a unique B2OF3(OH)2 dimer. Chemical Communications, 2020, 56, 3301-3304.	4.1	18
49	Synthesis of Branched Monodisperse Oligoethylene Glycols and ¹⁹F MRI-Traceable Biomaterials through Reductive Dimerization of Azides. Journal of Organic Chemistry, 2020, 85, 6778-6787.	3.2	7
50	Analysis of Characteristics in Death Patients with COVID-19 Pneumonia without Underlying Diseases. Academic Radiology, 2020, 27, 752.	2.5	14
51	Silica nanoparticle coated perfluorooctyl bromide for ultrasensitive MRI. Journal of Materials Chemistry B, 2020, 8, 5014-5018.	5.8	5
52	Fluorinated porphyrin-based theranostics for dual imaging and chemo-photodynamic therapy. Journal of Materials Chemistry B, 2020, 8, 4469-4474.	5.8	20
53	Fast and accurate reconstruction of human lung gas MRI with deep learning. Magnetic Resonance in Medicine, 2019, 82, 2273-2285.	3.0	23
54	Structural insight into the length-dependent binding of ssDNA by SP_0782 from Streptococcus pneumoniae, reveals a divergence in the DNA-binding interface of PC4-like proteins. Nucleic Acids Research, 2019, 48, 432-444.	14.5	4

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55	Detection and Chiral Recognition of Î±â€Hydroxyl Acid through 1 H and CEST NMR Spectroscopy Using a Ytterbium Macrocyclic Complex. Angewandte Chemie, 2019, 131, 18454-18457.	2.0	8
56	Detection and Chiral Recognition of Î±â€Hydroxyl Acid through ¹H and CEST NMR Spectroscopy Using a Ytterbium Macrocyclic Complex. Angewandte Chemie - International Edition, 2019, 58, 18286-18289.	13.8	23
57	Peptidic Monodisperse PEG â€œcombsâ€•with Fine-Tunable LCST and Multiple Imaging Modalities. Biomacromolecules, 2019, 20, 1281-1287.	5.4	20
58	Cancer Theranostics: A Versatile Theranostic Nanoemulsion for Architectureâ€Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy (Adv. Mater. 21/2019). Advanced Materials, 2019, 31, 1970155.	21.0	5
59	A fluorinated aza-BODIPY derivative for NIR fluorescence/PA/¹⁹F MR tri-modality in vivo imaging. Chemical Communications, 2019, 55, 5851-5854.	4.1	18
60	A Versatile Theranostic Nanoemulsion for Architectureâ€Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy. Advanced Materials, 2019, 31, e1806444.	21.0	124
61	Single breathâ€hold measurement of pulmonary gas exchange and diffusion in humans with hyperpolarized ¹²⁹Xe MR. NMR in Biomedicine, 2019, 32, e4068.	2.8	17
62	Freeâ€base porphyrins as CEST MRI contrast agents with highly upfield shifted labile protons. Magnetic Resonance in Medicine, 2019, 82, 577-585.	3.0	14
63	¹²⁹Xe Hyper-CEST/¹⁹F MRI Multimodal Imaging System for Sensitive and Selective Tumor Cells Detection. ACS Applied Bio Materials, 2019, 2, 27-32.	4.6	16
64	Engineered Paramagnetic Graphene Quantum Dots with Enhanced Relaxivity for Tumor Imaging. Nano Letters, 2019, 19, 441-448.	9.1	41
65	Highly and Adaptively Undersampling Pattern for Pulmonary Hyperpolarized ¹²⁹Xe Dynamic MRI. IEEE Transactions on Medical Imaging, 2019, 38, 1240-1250.	8.9	9
66	k -Space-Based Enhancement of Pulmonary Hyperpolarized ¹²⁹Xe Ventilation Images. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3950-3961.	4.7	4
67	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
68	Perfusion and plaque evaluation to predict recurrent stroke in symptomatic middle cerebral artery stenosis. Stroke and Vascular Neurology, 2019, 4, 129-134.	3.3	29
69	SrB₅O₇F₃ Functionalized with [B₅O₉F₃]^{6â^'} Chromophores: Accelerating the Rational Design of Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie - International Edition, 2018, 57, 6095-6099.	13.8	581
70	Recent progress on the development of glutathione (GSH) selective fluorescent and colorimetric probes. Coordination Chemistry Reviews, 2018, 366, 29-68.	18.8	206
71	Synthesis and biological evaluation of 20-epi-amino-20-deoxysalinomycin derivatives. European Journal of Medicinal Chemistry, 2018, 148, 279-290.	5.5	24
72	Considering low-rank, sparse and gas-inflow effects constraints for accelerated pulmonary dynamic hyperpolarized 129 Xe MRI. Journal of Magnetic Resonance, 2018, 290, 29-37.	2.1	14

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73	In vivodrug tracking with¹⁹F MRI at therapeutic dose. Chemical Communications, 2018, 54, 3875-3878.	4.1	43
74	Detection and differentiation of Cys, Hcy and GSH mixtures by 19F NMR probe. Talanta, 2018, 184, 513-519.	5.5	27
75	Human Pulmonary Hyperpolarized 129 Xe MRI: a Preliminary Study. Chinese Physics Letters, 2018, 35, 058701.	3.3	0
76	An intracellular diamine oxidase triggered hyperpolarized¹²⁹Xe magnetic resonance biosensor. Chemical Communications, 2018, 54, 13654-13657.	4.1	8
77	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
78	Potential detection of cancer with fluorinated silicon nanoparticles in ¹⁹F MR and fluorescence imaging. Journal of Materials Chemistry B, 2018, 6, 4293-4300.	5.8	12
79	Paramagnetic nanoemulsions with unified signals for sensitive ¹⁹F MRI cell tracking. Chemical Communications, 2018, 54, 6000-6003.	4.1	25
80	Quantitative evaluation of pulmonary gasâ€exchange function using hyperpolarized ¹²⁹Xe CEST MRS and MRI. NMR in Biomedicine, 2018, 31, e3961.	2.8	6
81	Characterization of the interaction interface and conformational dynamics of human TGIF1 homeodomain upon the binding of consensus DNA. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 1021-1028.	2.3	2
82	Image-guided chemotherapy with specifically tuned blood brain barrier permeability in glioma margins. Theranostics, 2018, 8, 3126-3137.	10.0	50
83	pH-responsive theranostic nanocomposites as synergistically enhancing positive and negative magnetic resonance imaging contrast agents. Journal of Nanobiotechnology, 2018, 16, 30.	9.1	26
84	Lung morphometry using hyperpolarized ¹²⁹Xe multiâ€b diffusion <scp>MRI</scp> with compressed sensing in healthy subjects and patients with <scp>COPD</scp>. Medical Physics, 2018, 45, 3097-3108.	3.0	24
85	Mitochondria Targeted and Intracellular Biothiol Triggered Hyperpolarized ¹²⁹Xe Magnetofluorescent Biosensor. Analytical Chemistry, 2017, 89, 2288-2295.	6.5	40
86	Detection of the mild emphysema by quantification of lung respiratory airways with hyperpolarized xenon diffusion MRI. Journal of Magnetic Resonance Imaging, 2017, 45, 879-888.	3.4	16
87	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
88	Hyperpolarized ¹²⁹Xe Magnetic Resonance Imaging Sensor for H₂S. Chemistry - A European Journal, 2017, 23, 7648-7652.	3.3	17
89	Simultaneous assessment of both lung morphometry and gas exchange function within a single breath-hold by hyperpolarized ¹²⁹ Xe MRI. NMR in Biomedicine, 2017, 30, e3730.	2.8	10
90	Monitoring Fluorinated Dendrimerâ€Based Selfâ€Assembled Drugâ€Delivery Systems with ¹⁹F Magnetic Resonance. European Journal of Organic Chemistry, 2017, 2017, 4461-4468.	2.4	14

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91	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	14.6	976
92	Detection of smokeâ€induced pulmonary lesions by hyperpolarized ¹²⁹Xe diffusion kurtosis imaging in rat models. Magnetic Resonance in Medicine, 2017, 78, 1891-1899.	3.0	3
93	Facile Synthesis of Novel Perfluorocarbonâ€Modulated 4â€Anilinoquinazoline Analogues. Chinese Journal of Chemistry, 2017, 35, 1693-1700.	4.9	8
94	¹⁹F CEST imaging probes for metal ion detection. Organic and Biomolecular Chemistry, 2017, 15, 6441-6446.	2.8	21
95	Increasing Cancer Therapy Efficiency through Targeting and Localized Light Activation. ACS Applied Materials & Interfaces, 2017, 9, 23400-23408.	8.0	25
96	Mammogram Enhancement Using Intuitionistic Fuzzy Sets. IEEE Transactions on Biomedical Engineering, 2017, 64, 1803-1814.	4.2	31
97	Entropy-based window selection for detecting dim and small infrared targets. Pattern Recognition, 2017, 61, 66-77.	8.1	85
98	Assessment of pulmonary microstructural changes by hyperpolarized 129Xe diffusion-weighted imaging in an elastase-instilled rat model of emphysema. Journal of Thoracic Disease, 2017, 9, 2572-2578.	1.4	5
99	Quantitative evaluation of radiation-induced lung injury with hyperpolarized xenon magnetic resonance. Magnetic Resonance in Medicine, 2016, 76, 408-416.	3.0	36
100	Oxygenâ€dependent hyperpolarized ¹²⁹Xe brain MR. NMR in Biomedicine, 2016, 29, 220-225.	2.8	11
101	Design, synthesis and evaluation of novel ¹⁹F magnetic resonance sensitive protein tyrosine phosphatase inhibitors. MedChemComm, 2016, 7, 1672-1680.	3.4	14
102	A theoretical analysis of chemical exchange saturation transfer echo planar imaging (CESTâ€EPI) steady state solution and the CEST sensitivity efficiencyâ€based optimization approach. Contrast Media and Molecular Imaging, 2016, 11, 415-423.	0.8	33
103	A Molecular Imaging Approach to Mercury Sensing Based on Hyperpolarized ¹²⁹Xe Molecular Clamp Probe. Chemistry - A European Journal, 2016, 22, 3967-3970.	3.3	22
104	Quantitative comparison of lung physiological parameters in single and multiple breathhold with hyperpolarized xenon magnetic resonance. Biomedical Physics and Engineering Express, 2016, 2, 055013.	1.2	2
105	Fast Determination of Flip Angle and T1 in Hyperpolarized Gas MRI During a Single Breath-Hold. Scientific Reports, 2016, 6, 25854.	3.3	13
106	Small Infrared Target Detection Based on Weighted Local Difference Measure. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4204-4214.	6.3	226
107	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
108	Image enhancement based on intuitionistic fuzzy sets theory. IET Image Processing, 2016, 10, 701-709.	2.5	53

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109	Tissue Characterization with Quantitative High-Resolution Magic Angle Spinning Chemical Exchange Saturation Transfer Z-Spectroscopy. Analytical Chemistry, 2016, 88, 10379-10383.	6.5	10
110	Adaptive Intuitionistic Fuzzy Enhancement of Brain Tumor MR Images. Scientific Reports, 2016, 6, 35760.	3.3	11
111	Biothiol Xenon MRI Sensor Based on Thiol-Addition Reaction. Analytical Chemistry, 2016, 88, 5835-5840.	6.5	25
112	Constant-variable flip angles for hyperpolarized media MRI. Journal of Magnetic Resonance, 2016, 263, 92-100.	2.1	12
113	MRI-guided liposomes for targeted tandem chemotherapy and therapeutic response prediction. Acta Biomaterialia, 2016, 35, 260-268.	8.3	36
114	Discovery of a ¹⁹F MRI sensitive salinomycin derivative with high cytotoxicity towards cancer cells. Chemical Communications, 2016, 52, 5136-5139.	4.1	39
115	One-pot synthesis of polyamines improved magnetism and fluorescence Fe₃O₄â€“carbon dots hybrid NPs for dual modal imaging. Dalton Transactions, 2016, 45, 5484-5491.	3.3	42
116	Direct detection of optogenetically evoked oscillatory neuronal electrical activity in rats using SLOE sequence. NeuroImage, 2016, 125, 533-543.	4.2	13
117	Detection of subnanotesla oscillatory magnetic fields using <scp>MRI</scp>. Magnetic Resonance in Medicine, 2016, 75, 519-526.	3.0	14
118	MRI-visible liposome nanovehicles for potential tumor-targeted delivery of multimodal therapies. Nanoscale, 2015, 7, 12843-12850.	5.6	39
119	Design and Synthesis of Fluorinated Amphiphile as ¹⁹F MRI/Fluorescence Dual-Imaging Agent by Tuning the Self-Assembly. Journal of Organic Chemistry, 2015, 80, 6360-6366.	3.2	45
120	Design and Synthesis of Fluorinated Dendrimers for Sensitive ¹⁹F MRI. Journal of Organic Chemistry, 2015, 80, 4443-4449.	3.2	53
121	Body temperature sensitive micelles for MRI enhancement. Chemical Communications, 2015, 51, 9085-9088.	4.1	13
122	Atomic filter based on stimulated Raman transition at the rubidium D1 line. Optics Express, 2015, 23, 17988.	3.4	5
123	A europiumâ€“lipoprotein nanocomposite for highly-sensitive MR-fluorescence multimodal imaging. RSC Advances, 2015, 5, 1808-1811.	3.6	3
124	Altered Spontaneous Brain Activity in Patients with Acute Spinal Cord Injury Revealed by Resting-State Functional MRI. PLoS ONE, 2015, 10, e0118816.	2.5	24
125	Highly sensitive detection of mercury (II) in aqueous media by tetraphenylporphyrin with a metal ion receptor. Supramolecular Chemistry, 2014, 26, 836-842.	1.2	4
126	pH-Triggered Au-fluorescent mesoporous silica nanoparticles for¹⁹F MR/fluorescent multimodal cancer cellular imaging. Chemical Communications, 2014, 50, 283-285.	4.1	51

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127	Rational design of hyperpolarized xenon NMR molecular sensor for the selective and sensitive determination of zinc ions. Talanta, 2014, 122, 101-105.	5.5	16
128	Ultranarrow bandwidth tunable atomic filter via quantum interference-induced polarization rotation in Rb vapor. Chinese Optics Letters, 2014, 12, 121404-121407.	2.9	2
129	Ultralow field NMR spectrometer with an atomic magnetometer near room temperature. Journal of Magnetic Resonance, 2013, 237, 158-163.	2.1	21
130	NMR Spectroscopic Approach Reveals Metabolic Diversity of Human Blood Plasma Associated with Proteinâ€“Drug Interaction. Analytical Chemistry, 2013, 85, 8601-8608.	6.5	7
131	Hyperpolarized Xenon Brain MRI. , 2012, , .		2
132	Doppler-free spectroscopy of rubidium atoms driven by a control laser. Frontiers of Physics, 2012, 7, 311-314.	5.0	0
133	MRI of stroke using hyperpolarized ¹²⁹Xe. NMR in Biomedicine, 2011, 24, 170-175.	2.8	48
134	Hyperpolarized Noble Gases as Contrast Agents. Methods in Molecular Biology, 2011, 771, 189-204.	0.9	11
135	Distribution of Hyperpolarized Xenon in the Brain Following Sensory Stimulation: Preliminary MRI Findings. PLoS ONE, 2011, 6, e21607.	2.5	46
136	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
137	Quantitative estimation of SPINOE enhancement in solid state. Journal of Magnetic Resonance, 2009, 196, 200-203.	2.1	4
138	Reinvestigating hyperpolarized129Xe longitudinal relaxation time in the rat brain with noise considerations. NMR in Biomedicine, 2008, 21, 217-225.	2.8	32
139	Measurement of the internal diameter of plastic tubes from projection MR images using a model-based least-squares fit approach. Medical Physics, 2006, 33, 1643-1653.	3.0	4
140	Enhancement of solid-state proton NMR via the spin-polarization-induced nuclear Overhauser effect with laser-polarized xenon. Physical Review B, 2004, 70, .	3.2	9
141	Experiment and dynamic simulations of radiation damping of laser-polarized liquid129Xe at low magnetic field in a flow system. Applied Magnetic Resonance, 2004, 26, 327-337.	1.2	6