Sophie Laurent

List of Publications by Year in descending order

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		34100	10732
225	20,125	52	138
papers	citations	h-index	g-index
222	222	222	25452
252	252	232	23432
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	A new flavonoid glycoside from <i>Tapinanthus sp.</i> (Loranthaceae) and evaluation of anticancer activity of extract and some isolated compounds. Natural Product Research, 2022, 36, 4085-4093.	1.8	6
2	A new abietane-type diterpenoid from roots of <i>Burkea africana</i> Hook (Fabaceae) with <i>α-</i> amylase inhibitory potential. Natural Product Research, 2022, 36, 4132-4139.	1.8	6
3	Antimicrobial and α-glucosidase inhibitory activities of chemical constituents from Gardenia aqualla (Rubiaceae). Natural Product Research, 2022, , 1-6.	1.8	7
4	Impact of RAFT chain transfer agents on the polymeric shell density of magneto-fluorescent nanoparticles and their cellular uptake. Nanoscale, 2022, 14, 5884-5898.	5.6	2
5	An update on the applications and characteristics of magnetic iron oxide nanoparticles for drug delivery. Expert Opinion on Drug Delivery, 2022, 19, 321-335.	5.0	29
6	Synthesis and Characterization of Conjugated Hyaluronic Acids. Application to Stability Studies of Chitosan-Hyaluronic Acid Nanogels Based on Fluorescence Resonance Energy Transfer. Gels, 2022, 8, 182.	4.5	4
7	Characterization of commercial iron oxide clusters with high transverse relaxivity. Journal of Magnetic Resonance Open, 2022, 10-11, 100054.	1.1	2
8	Editorial for "New Cluster Analysis Method for Quantitative <scp>DCEâ€MRI</scp> Assessing Tumor Heterogeneity Induced by <scp>E7130</scp> Treatment to a Breast Cancer Mouse Modelâ€. Journal of Magnetic Resonance Imaging, 2022, 56, 1832-1833.	3.4	0
9	Molecular and cellular biology of PCSK9: impact on glucose homeostasis. Journal of Drug Targeting, 2022, 30, 948-960.	4.4	8
10	Accelerating effect of crown ethers on the lactide polymerization catalysed by potassium acetate. Catalysis Science and Technology, 2021, 11, 4387-4391.	4.1	9
11	Chemical Constituents and Biological Activities of the Aerial Parts of Cyperus rotundus (Cypereaceae). Asian Journal of Chemistry, 2021, 33, 1935-1940.	0.3	0
12	Unveiling the role of surface, size, shape and defects of iron oxide nanoparticles for theranostic applications. Nanoscale, 2021, 13, 14552-14571.	5.6	23
13	Impact of the chain length on the biodistribution profiles of PEGylated iron oxide nanoparticles: a multimodal imaging study. Journal of Materials Chemistry B, 2021, 9, 5055-5068.	5.8	9
14	Mn ²⁺ Complexes with Pyclen-Based Derivatives as Contrast Agents for Magnetic Resonance Imaging: Synthesis and Relaxometry Characterization. Inorganic Chemistry, 2021, 60, 3604-3619.	4.0	19
15	A new method of extracting polyphenols from honey using a biosorbent compared to the commercial resin amberlite XAD2. Journal of Separation Science, 2021, 44, 2089-2096.	2.5	2
16	A Greener Chemistry Process Using Microwaves in Continuous Flow to Synthesize Metallic Bismuth Nanoparticles. ACS Sustainable Chemistry and Engineering, 2021, 9, 9177-9187.	6.7	6
17	Nanodiamonds as nanomaterial for biomedical field. Frontiers of Materials Science, 2021, 15, 334-351.	2.2	11
18	Functionalized silica nanoplatform as a bimodal contrast agent for MRI and optical imaging. Nanoscale, 2021, 13, 16509-16524.	5.6	5

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19	Magnetic and radio-labeled bio-hybrid scaffolds to promote and track <i>in vivo</i> the progress of bone regeneration. Biomaterials Science, 2021, 9, 7575-7590.	5.4	9
20	A new phenanthrene derivative from Entada abyssinica with antimicrobial and antioxidant properties. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, .	0.7	2
21	Medical Applications of Metallic Bismuth Nanoparticles. Pharmaceutics, 2021, 13, 1793.	4.5	20
22	Pyclen-based Gd complex with ionisable side-chain as a contrastophore for the design of hypersensitive MRI nanoprobes: Synthesis and relaxation studies. Results in Chemistry, 2021, 3, 100237.	2.0	2
23	Characterization of Organic Molecules Grafted to Silica or Bismuth Nanoparticles by NMR. Applied Nano, 2021, 2, 330-343.	2.0	0
24	Antibacterial and antioxidant activities and phytochemical composition of <i>Stereospermum kunthianum</i> root bark. Natural Product Research, 2021, , 1-11.	1.8	2
25	Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129435.	2.4	86
26	Preliminary studies of ⁶⁸ Ga-NODA-USPION-BBN as a dual-modality contrast agent for use in positron emission tomography/magnetic resonance imaging. Nanotechnology, 2020, 31, 015102.	2.6	7
27	Modulation of adiponectin receptors AdipoR1 and AdipoR2 by phage display-derived peptides in inÂvitro and inÂvivo models. Journal of Drug Targeting, 2020, 28, 831-851.	4.4	1
28	Surface engineering of silica nanoparticles with a gadolinium–PCTA complex for efficient <i>T</i> ₁ -weighted MRI contrast agents. New Journal of Chemistry, 2020, 44, 18031-18047.	2.8	4
29	Development of an LDL Receptor-Targeted Peptide Susceptible to Facilitate the Brain Access of Diagnostic or Therapeutic Agents. Biology, 2020, 9, 161.	2.8	13
30	Antifungal potential of extracts, fractions and compounds from Uvaria comperei (Annonaceae) and Oxyanthus unilocularis (Rubiaceae). Natural Product Research, 2020, 35, 1-5.	1.8	2
31	VCAM-1 Target in Non-Invasive Imaging for the Detection of Atherosclerotic Plaques. Biology, 2020, 9, 368.	2.8	25
32	Anti-Inflammatory and Analgesic Effect of Arachic Acid Ethyl Ester Isolated from Propolis. BioMed Research International, 2020, 2020, 1-8.	1.9	12
33	Novel Polymeric Micelles-Coated Magnetic Nanoparticles for In Vivo Bioimaging of Liver: Toxicological Profile and Contrast Enhancement. Materials, 2020, 13, 2722.	2.9	5
34	Molecular Imaging of Galectin-1 Expression as a Biomarker of Papillary Thyroid Cancer by Using Peptide-Functionalized Imaging Probes. Biology, 2020, 9, 53.	2.8	5
35	Design, Characterization and Molecular Modeling of New Fluorinated Paramagnetic Contrast Agents for Dual 1H/19F MRI. Magnetochemistry, 2020, 6, 8.	2.4	6
36	Influence of Experimental Parameters of a Continuous Flow Process on the Properties of Very Small Iron Oxide Nanoparticles (VSION) Designed for T1-Weighted Magnetic Resonance Imaging (MRI). Nanomaterials, 2020, 10, 757.	4.1	19

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37	A new phenyl alkyl ester and a new combretin triterpene derivative from Combretum fragrans F. Hoffm (Combretaceae) and antiproliferative activity. Open Chemistry, 2020, 18, 1523-1531.	1.9	4
38	Simultaneous "O–Alkyl―and "O–Acyl―Lactone Cleavages from Hydroxy–Carboxylic Acid Initiatol Direct Access to Multiblock Architectures. Macromolecules, 2019, 52, 6382-6392.	rs: 4.8	9
39	Fluorinated MRI contrast agents and their versatile applications in the biomedical field. Future Medicinal Chemistry, 2019, 11, 1157-1175.	2.3	27
40	Bimodal Probe for Magnetic Resonance Imaging and Photoacoustic Imaging Based on a PCTA-Derived Gadolinium(III) Complex and ZW800-1. European Journal of Inorganic Chemistry, 2019, 2019, 3353-3353.	2.0	0
41	Bimodal Probe for Magnetic Resonance Imaging and Photoacoustic Imaging Based on a PCTAâ€Đerived Gadolinium(III) Complex and ZW800–1. European Journal of Inorganic Chemistry, 2019, 2019, 3354-3365.	2.0	13
42	MRI-based numerical modeling strategy for simulation and treatment planning of nanoparticle-assisted photothermal therapy. Physica Medica, 2019, 66, 124-132.	0.7	34
43	Synthesis and Relaxometric Characterization of New Poly[<i>N</i> , <i>N</i> â€bis(3â€aminopropyl)glycine] (PAPGly) Dendrons Gdâ€Based Contrast Agents and Their <i>in Vivo</i> Study by Using the Dynamic Contrastâ€Enhanced MRI Technique at Low Field (1 T). Chemistry and Biodiversity, 2019, 16, e1900322.	2.1	3
44	Discrimination of Regioisomeric and Stereoisomeric Saponins from <i>Aesculus hippocastanum</i> Seeds by Ion Mobility Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 2228-2237.	2.8	25
45	Simulation-guided photothermal therapy using MRI-traceable iron oxide-gold nanoparticle. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111599.	3.8	63
46	Comparison of MRI Properties between Multimeric DOTAGA and DO3A Gadolinium-Dendron Conjugates. Inorganic Chemistry, 2019, 58, 12798-12808.	4.0	9
47	Embedding of superparamagnetic iron oxide nanoparticles into membranes of well-defined poly(ethylene oxide)-block-poly(ε-caprolactone) nanoscale magnetovesicles as ultrasensitive MRI probes of membrane bio-degradation. Journal of Materials Chemistry B, 2019, 7, 4692-4705.	5.8	15
48	Dendron based antifouling, MRI and magnetic hyperthermia properties of different shaped iron oxide nanoparticles. Nanotechnology, 2019, 30, 374002.	2.6	16
49	Combinatorial effects of radiofrequency hyperthermia and radiotherapy in the presence of magnetoâ€plasmonic nanoparticles on MCFâ€7 breast cancer cells. Journal of Cellular Physiology, 2019, 234, 20028-20035.	4.1	31
50	Iron oxide–gold core–shell nano-theranostic for magnetically targeted photothermal therapy under magnetic resonance imaging guidance. Journal of Cancer Research and Clinical Oncology, 2019, 145, 1213-1219.	2.5	65
51	Hepatic and Renal Toxicity Induced by TiO ₂ Nanoparticles in Rats: A Morphological and Metabonomic Study. Journal of Toxicology, 2019, 2019, 1-19.	3.0	43
52	Selective liquid phase oxidation of ethyl benzene to acetophenone by palladium nanoparticles immobilized on a g-C ₃ N ₄ –rGO composite as a recyclable catalyst. New Journal of Chemistry, 2019, 43, 6921-6931.	2.8	27
53	Metallic bismuth nanoparticles: Towards a robust, productive and ultrasound assisted synthesis from batch to flow-continuous chemistry. Ultrasonics Sonochemistry, 2019, 56, 167-173.	8.2	22
54	Backbone Cleavages of Protonated Peptoids upon Collision-Induced Dissociation: Competitive and Consecutive B-Y and A ₁ -Y _X Reactions. Journal of the American Society for Mass Spectrometry, 2019, 30, 2726-2740.	2.8	3

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55	Tailored ultra-small Prussian blue-based nanoparticles for MRI imaging and combined photothermal/photoacoustic theranostics. Chemical Communications, 2019, 55, 14844-14847.	4.1	15
56	Silica Coated Iron/Iron Oxide Nanoparticles as a Nano-Platform for T2 Weighted Magnetic Resonance Imaging. Molecules, 2019, 24, 4629.	3.8	24
57	Fabrication of Nanofibrous PVA/Alginateâ€Sulfate Substrates for Growth Factor Delivery. Journal of Biomedical Materials Research - Part A, 2019, 107, 403-413.	4.0	50
58	Magnetic iron oxide nanoparticles for drug delivery: applications and characteristics. Expert Opinion on Drug Delivery, 2019, 16, 69-78.	5.0	364
59	VSION as high field MRI T1 contrast agent: evidence of their potential as positive contrast agent for magnetic resonance angiography. Nanotechnology, 2018, 29, 265103.	2.6	18
60	Influence of experimental parameters on iron oxide nanoparticle properties synthesized by thermal decomposition: size and nuclear magnetic resonance studies. Nanotechnology, 2018, 29, 165603.	2.6	31
61	Optimizing Water Exchange Rates and Rotational Mobility for Highâ€Relaxivity of a Novel Gdâ€ <scp>DO</scp> 3A Derivative Complex Conjugated to Inulin as Macromolecular Contrast Agents for <scp>MRI</scp> . Chemistry and Biodiversity, 2018, 15, e1700487.	2.1	11
62	Evaluation of the Active Targeting of Melanin Granules after Intravenous Injection of Dendronized Nanoparticles. Molecular Pharmaceutics, 2018, 15, 536-547.	4.6	10
63	Metal Oxide Particles and Their Prospects for Applications. , 2018, , 3-42.		20
64	Reinvestigation of the mechanism of polymerization of β-butyrolactone from 1,5,7-triazabicyclo[4.4.0]dec-5-ene. Polymer Chemistry, 2018, 9, 1840-1847.	3.9	20
65	Structure of CoFe2O4@CdTe nanocomposite with core/shell structure for high-performance Bi-modal imaging. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 467-473.	4.7	4
66	Flying Cages in Traveling Wave Ion Mobility: Influence of the Instrumental Parameters on the Topology of the Host–Guest Complexes. Journal of the American Society for Mass Spectrometry, 2018, 29, 121-132.	2.8	9
67	Drawing on biology to inspire molecular design: a redox-responsive MRI probe based on Gd(<scp>iii</scp>)-nicotinamide. Chemical Communications, 2018, 54, 12986-12989.	4.1	8
68	Imaging of Human Insulin Secreting Cells with Gd-DOTA-P88, a Paramagnetic Contrast Agent Targeting the Beta Cell Biomarker FXYD2l ³ a. Molecules, 2018, 23, 2100.	3.8	9
69	Lipids constituents from <i>Gardenia aqualla</i> Stapf & Hutch. Open Chemistry, 2018, 16, 371-376.	1.9	14
70	Dual-Modality Imaging. , 2018, , 165-196.		2
71	Morphological alterations induced by the exposure to TiO2 nanoparticles in primary cortical neuron cultures and in the brain of rats. Toxicology Reports, 2018, 5, 878-889.	3.3	36
72	New polyaminocarboxylate macrocycles containing phenolate binding units: synthesis, luminescent and relaxometric properties of their lanthanide complexes. Dalton Transactions, 2017, 46, 4654-4668.	3.3	9

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73	Synthesis and characterization of monophosphinic acid DOTA derivative: A smart tool with functionalities for multimodal imaging. Bioorganic and Medicinal Chemistry, 2017, 25, 4297-4303.	3.0	3
74	Importance of DOTA derivatives in bimodal imaging. Israel Journal of Chemistry, 2017, 57, 800-808.	2.3	15
75	How a grafting anchor tailors the cellular uptake and in vivo fate of dendronized iron oxide nanoparticles. Journal of Materials Chemistry B, 2017, 5, 5152-5164.	5.8	11
76	Characterization of Gd loaded chitosan-TPP nanohydrogels by a multi-technique approach combining dynamic light scattering (DLS), asymetrical flow-field-flow-fractionation (AF4) and atomic force microscopy (AFM) and design of positive contrast agents for molecular resonance imaging (MRI). Nanotechnology, 2017, 28, 055705.	2.6	17
77	Toward a new and noninvasive diagnostic method of papillary thyroid cancer by using peptide vectorized contrast agents targeted to galectin-1. Medical Oncology, 2017, 34, 184.	2.5	3
78	Synthesis, Functionalization, and Design of Magnetic Nanoparticles for Theranostic Applications. Advanced Healthcare Materials, 2017, 6, 1700306.	7.6	176
79	Validation by Magnetic Resonance Imaging of the Diagnostic Potential of a Heptapeptide-Functionalized Imaging Probe Targeted to Amyloid-β and Able to Cross the Blood-Brain Barrier. Journal of Alzheimer's Disease, 2017, 60, 1547-1565.	2.6	10
80	Synthesis and Characterization of PEGylated and Fluorinated Chitosans: Application to the Synthesis of Targeted Nanoparticles for Drug Delivery. Biomacromolecules, 2017, 18, 2756-2766.	5.4	28
81	Galectin-1 is a diagnostic marker involved in thyroid cancer progression. International Journal of Oncology, 2017, 51, 760-770.	3.3	27
82	Biocompatible and fluorescent superparamagnetic iron oxide nanoparticles with superior magnetic properties coated with charged polysaccharide derivatives. Colloids and Surfaces B: Biointerfaces, 2017, 150, 402-407.	5.0	32
83	MRI Contrast Agents. SpringerBriefs in Applied Sciences and Technology, 2017, , .	0.4	24
84	PEGylated superparamagnetic iron oxide nanoparticles labeled with 68Ga as a PET/MRI contrast agent: a biodistribution study. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 769-774.	1.5	25
85	New mono-ether of glycerol and triterpenes with DPPH radical scavenging activity from Cameroonian propolis. Natural Product Research, 2017, 31, 1379-1389.	1.8	31
86	Toxicity of TiO2 nanoparticles on the NRK52E renal cell line. Molecular and Cellular Toxicology, 2017, 13, 419-431.	1.7	14
87	Early detection of colonic dysplasia by magnetic resonance molecular imaging with a contrast agent raised against the colon cancer marker MUC5AC. Contrast Media and Molecular Imaging, 2016, 11, 211-221.	0.8	9
88	¹ Hâ€NMR relaxometric studies of interaction between apoptosis specific MRI paramagnetic contrast agents and micellar models of apoptotic cells. Magnetic Resonance in Chemistry, 2016, 54, 568-574.	1.9	0
89	Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Europium(III) DO3A as a Bimodal Imaging Probe. Chemistry - A European Journal, 2016, 22, 4521-4527.	3.3	17
90	Screening for peptides targeted to IL-7Rα for molecular imaging of rheumatoid arthritis synovium. Arthritis Research and Therapy, 2016, 18, 230.	3.5	12

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91	Dual nanoâ€sized contrast agents in PET/MRI: a systematic review. Contrast Media and Molecular Imaging, 2016, 11, 428-447.	0.8	36
92	Optical and relaxometric properties of monometallic (EuIII, TbIII, GdIII) and heterobimetallic (ReI/GdIII) systems based on a functionalized bipyridine-containing acyclic ligand. Dalton Transactions, 2016, 45, 8379-8393.	3.3	5
93	Washing effect on superparamagnetic iron oxide nanoparticles. Data in Brief, 2016, 7, 1296-1301.	1.0	12
94	Chemical and <i>in vitro</i> characterizations of a promising bimodal AGuIX probe able to target apoptotic cells for applications in MRI and optical imaging. Contrast Media and Molecular Imaging, 2016, 11, 381-395.	0.8	5
95	A comparative physicochemical, morphological and magnetic study of silane-functionalized superparamagnetic iron oxide nanoparticles prepared by alkaline coprecipitation. International Journal of Biochemistry and Cell Biology, 2016, 75, 203-211.	2.8	28
96	Magnetofluorescent micelles incorporating Dy ^{III} –DOTA as potential bimodal agents for optical and high field magnetic resonance imaging. Dalton Transactions, 2016, 45, 4791-4801.	3.3	14
97	Ultrasound-targeted microbubble destruction: toward a new strategy for diabetes treatment. Drug Discovery Today, 2016, 21, 540-543.	6.4	11
98	Fluorophore-tagged superparamagnetic iron oxide nanoparticles as bimodal contrast agents for MR/optical imaging. Journal of the Iranian Chemical Society, 2016, 13, 87-93.	2.2	17
99	Infection-resistant MRI-visible scaffolds for tissue engineering applications. BioImpacts, 2016, 6, 111-115.	1.5	55
100	Superparamagnetic iron oxide nanoparticles for <i>in vivo</i> molecular and cellular imaging. Contrast Media and Molecular Imaging, 2015, 10, 329-355.	0.8	109
101	Development of a peptideâ€functionalized imaging nanoprobe for the targeting of (FXYD2)γa as a highly specific biomarker of pancreatic beta cells. Contrast Media and Molecular Imaging, 2015, 10, 398-412.	0.8	19
102	Magnetofluorescent Nanoaggregates Incorporating Terbium(III) Complexes as Potential Bimodal Agents for Magnetic Resonance and Optical Imaging. European Journal of Inorganic Chemistry, 2015, 2015, 4572-4578.	2.0	8
103	Interaction between Iron Oxide Nanoparticles and HepaRG Cells: A Preliminary <i>In Vitro</i> Evaluation. Journal of Nanomaterials, 2015, 2015, 1-9.	2.7	3
104	Modulation of Relaxivity, Suspension Stability, and Biodistribution of Dendronized Iron Oxide Nanoparticles as a Function of the Organic Shell Design. Particle and Particle Systems Characterization, 2015, 32, 552-560.	2.3	13
105	Fluorescent magnetic nanoparticles for cell labeling: Flux synthesis of manganite particles and novel functionalization of silica shell. Journal of Colloid and Interface Science, 2015, 447, 97-106.	9.4	21
106	Validation of a dendron concept to tune colloidal stability, MRI relaxivity and bioelimination of functional nanoparticles. Journal of Materials Chemistry B, 2015, 3, 1484-1494.	5.8	28
107	Synthesis and processing of magnetic nanoparticles. Current Opinion in Chemical Engineering, 2015, 8, 7-14.	7.8	55
108	HR-MAS NMR Spectroscopy: An Innovative Tool for the Characterization of Iron Oxide Nanoparticles Tracers for Molecular Imaging. Analytical Chemistry, 2015, 87, 1701-1710.	6.5	13

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109	Nano-thermometers with thermo-sensitive polymer grafted USPIOs behaving as positive contrast agents in low-field MRI. Nanoscale, 2015, 7, 3754-3767.	5.6	47
110	Human Alveolar Epithelial Cell Responses to Core–Shell Superparamagnetic Iron Oxide Nanoparticles (SPIONs). Langmuir, 2015, 31, 3829-3839.	3.5	18
111	Functionalization of the PEG Corona of Nanoparticles by Clip Photochemistry in Water: Application to the Grafting of RGD Ligands on PEGylated USPIO Imaging Agent. Bioconjugate Chemistry, 2015, 26, 822-829.	3.6	13
112	Synthesis of CdTe QDs by hydrothermal method, with tunable emission fluorescence. Materials Research Express, 2015, 2, 095901.	1.6	4
113	Nanotoxicology: advances and pitfalls in research methodology. Nanomedicine, 2015, 10, 2931-2952.	3.3	70
114	Magnetofluorescent micellar complexes of terbium(<scp>iii</scp>) as potential bimodal contrast agents for magnetic resonance and optical imaging. Chemical Communications, 2015, 51, 2984-2986.	4.1	20
115	Nanoparticles Based on Star Polymers as Theranostic Vectors: Endosomalâ€∓riggered Drug Release Combined with MRI Sensitivity. Advanced Healthcare Materials, 2015, 4, 148-156.	7.6	52
116	<i>In vitro</i> and <i>in vivo</i> characterization of several functionalized ultrasmall particles of iron oxide, vectorized against amyloid plaques and potentially able to cross the blood–brain barrier: toward earlier diagnosis of Alzheimer's disease by molecular imaging. Contrast Media and Molecular Imaging, 2015, 10, 211-224.	0.8	32
117	Thermodynamic stability and kinetic inertness of a Gd–DTPA bisamide complex grafted onto gold nanoparticles. Contrast Media and Molecular Imaging, 2015, 10, 179-187.	0.8	12
118	Proteomics Analysis Reveals Distinct Corona Composition on Magnetic Nanoparticles with Different Surface Coatings: Implications for Interactions with Primary Human Macrophages. PLoS ONE, 2015, 10, e0129008.	2.5	61
119	Molecular Imaging: From Bench to Clinic. BioMed Research International, 2014, 2014, 1-3.	1.9	16
120	NMR chemical shift study of the interaction of selected peptides with liposomal and micellar models of apoptotic cells. Journal of Biological Inorganic Chemistry, 2014, 19, 1367-1376.	2.6	2
121	Carboxy-silane coated iron oxide nanoparticles: a convenient platform for cellular and small animal imaging. Journal of Materials Chemistry B, 2014, 2, 387-397.	5.8	36
122	Bifunctional Gd(III) and Tb(III) chelates based on a pyridine– <i>bis</i> (iminodiacetate) platform, suitable optical probes and contrast agents for magnetic resonance imaging. Contrast Media and Molecular Imaging, 2014, 9, 300-312.	0.8	14
123	Hyperthermia-induced protein corona improves the therapeutic effects of zinc ferrite spinel-graphene sheets against cancer. RSC Advances, 2014, 4, 62557-62565.	3.6	50
124	Tuning the composition of biocompatible Gd nanohydrogels to achieve hypersensitive dual T ₁ /T ₂ MRI contrast agents. Journal of Materials Chemistry B, 2014, 2, 6397-6405.	5.8	29
125	Micellar self-assemblies of gadolinium(iii)/europium(iii) amphiphilic complexes as model contrast agents for bimodal imaging. Dalton Transactions, 2014, 43, 3589.	3.3	30
126	Mastering the Shape and Composition of Dendronized Iron Oxide Nanoparticles To Tailor Magnetic Resonance Imaging and Hyperthermia. Chemistry of Materials, 2014, 26, 5252-5264.	6.7	105

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127	Synthesis and characterization of a new lanthanide based MRI contrast agent, potential and versatile tracer for multimodal imaging. Tetrahedron, 2014, 70, 5450-5454.	1.9	12
128	The precise molecular location of gadolinium atoms has a significant influence on the efficacy of nanoparticulate MRI positive contrast agents. Polymer Chemistry, 2014, 5, 2592-2601.	3.9	44
129	Mn ^{II} -containing coordination nanoparticles as highly efficient T ₁ contrast agents for magnetic resonance imaging. Chemical Communications, 2014, 50, 6740-6743.	4.1	38
130	Superparamagnetic iron oxide nanoparticles for delivery of therapeutic agents: opportunities and challenges. Expert Opinion on Drug Delivery, 2014, 11, 1449-1470.	5.0	357
131	Blocked-micropores, surface functionalized, bio-compatible and silica-coated iron oxide nanocomposites as advanced MRI contrast agent. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	9
132	Protein corona affects the relaxivity and MRI contrast efficiency of magnetic nanoparticles. Nanoscale, 2013, 5, 8656.	5.6	98
133	Functionalization of Small Rigid Platforms with Cyclic RGD Peptides for Targeting Tumors Overexpressing α _v l² ₃ -Integrins. Bioconjugate Chemistry, 2013, 24, 1584-1597.	3.6	49
134	Superparamagnetic iron oxide nanoparticles alter expression of obesity and T2D-associated risk genes in human adipocytes. Scientific Reports, 2013, 3, 2173.	3.3	36
135	Metal chelating crosslinkers form nanogels with high chelation stability. Journal of Materials Chemistry B, 2013, 1, 6359.	5.8	45
136	New carboxysilaneâ€coated iron oxide nanoparticles for nonspecific cell labelling. Contrast Media and Molecular Imaging, 2013, 8, 466-474.	0.8	23
137	Therapeutic Benefits from Nanoparticles: The Potential Significance of Nanoscience in Diseases with Compromise to the Blood Brain Barrier. Chemical Reviews, 2013, 113, 1877-1903.	47.7	187
138	High-Relaxivity and Luminescent Silica Nanoparticles As Multimodal Agents for Molecular Imaging. Langmuir, 2013, 29, 3419-3427.	3.5	20
139	Significance of cell "observer―and protein source in nanobiosciences. Journal of Colloid and Interface Science, 2013, 392, 431-445.	9.4	73
140	Lanthanide(III) Complexes of Diethylenetriaminepentaacetic Acid (DTPA)–Bisamide Derivatives as Potential Agents for Bimodal (Optical/Magnetic Resonance) Imaging. European Journal of Inorganic Chemistry, 2013, 2013, 2629-2639.	2.0	28
141	A new approach to follow the formation of iron oxide nanoparticles synthesized by thermal decomposition. Nanotechnology, 2013, 24, 055705.	2.6	47
142	Size-Controlled Synthesis of CoFe ₂ O ₄ Nanoparticles Potential Contrast Agent for MRI and Investigation on Their Size-Dependent Magnetic Properties. Journal of Nanomaterials, 2013, 2013, 1-9.	2.7	23
143	Development of a Magnetic Resonance Imaging Protocol for the Characterization of Atherosclerotic Plaque by Using Vascular Cell Adhesion Molecule-1 and Apoptosis-Targeted Ultrasmall Superparamagnetic Iron Oxide Derivatives. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32 e36-48	2.4	72
144	Interdisciplinary challenges and promising theranostic effects of nanoscience in Alzheimer's disease. RSC Advances, 2012, 2, 5008.	3.6	48

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145	A new metallostar complex based on an aluminum(iii) 8-hydroxyquinoline core as a potential bimodal contrast agent. Dalton Transactions, 2012, 41, 10549.	3.3	30
146	Polymer–gold nanohybrids with potential use in bimodal MRI/CT: enhancing the relaxometric properties of Gd(iii) complexes. Journal of Materials Chemistry, 2012, 22, 21382.	6.7	34
147	Relaxometric Studies of γ-Fe ₂ O ₃ @SiO ₂ Core Shell Nanoparticles: When the Coating Matters. Journal of Physical Chemistry C, 2012, 116, 2285-2291.	3.1	65
148	Supramolecular Adducts of Negatively Charged Lanthanide(III) DOTP Chelates and Cyclodextrins Functionalized with Ammonium Groups: Mass Spectrometry and Nuclear Magnetic Resonance Studies. European Journal of Inorganic Chemistry, 2012, 2012, 2087-2098.	2.0	6
149	Synthesis and Physicochemical Characterisation of Gdâ€DTPA Derivatives as Contrast Agents for MRI. European Journal of Inorganic Chemistry, 2012, 2012, 1889-1915.	2.0	46
150	Hydrogels Incorporating GdDOTA: Towards Highly Efficient Dual <i>T</i> ₁ <i>/T</i> ₂ MRI Contrast Agents. Angewandte Chemie - International Edition, 2012, 51, 9119-9122.	13.8	134
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