

Sophie Laurent

List of Publications by Year in descending order

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225
papers

20,125
citations

41627

51
h-index

12272

138
g-index

232
all docs

232
docs citations

232
times ranked

28522
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. <i>Natural Product Research</i> , 2022, 36, 4085-4093.	1.0	6
2	A new abietane-type diterpenoid from roots of <i>Burkea africana</i> Hook (Fabaceae) with α -amylase inhibitory potential. <i>Natural Product Research</i> , 2022, 36, 4132-4139.	1.0	6
3	Antimicrobial and α -glucosidase inhibitory activities of chemical constituents from <i>Gardenia aqualla</i> (Rubiaceae). <i>Natural Product Research</i> , 2022, , 1-6.	1.0	7
4	Impact of RAFT chain transfer agents on the polymeric shell density of magneto-fluorescent nanoparticles and their cellular uptake. <i>Nanoscale</i> , 2022, 14, 5884-5898.	2.8	2
5	An update on the applications and characteristics of magnetic iron oxide nanoparticles for drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 321-335.	2.4	29
6	Synthesis and Characterization of Conjugated Hyaluronic Acids. Application to Stability Studies of Chitosan-Hyaluronic Acid Nanogels Based on Fluorescence Resonance Energy Transfer. <i>Gels</i> , 2022, 8, 182.	2.1	4
7	Characterization of commercial iron oxide clusters with high transverse relaxivity. <i>Journal of Magnetic Resonance Open</i> , 2022, 10-11, 100054.	0.5	2
8	Editorial for "New Cluster Analysis Method for Quantitative DCE-MRI Assessing Tumor Heterogeneity Induced by E7130 Treatment to a Breast Cancer Mouse Model". <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 1832-1833.	1.9	0
9	Molecular and cellular biology of PCSK9: impact on glucose homeostasis. <i>Journal of Drug Targeting</i> , 2022, 30, 948-960.	2.1	8
10	Accelerating effect of crown ethers on the lactide polymerization catalysed by potassium acetate. <i>Catalysis Science and Technology</i> , 2021, 11, 4387-4391.	2.1	9
11	Chemical Constituents and Biological Activities of the Aerial Parts of <i>Cyperus rotundus</i> (Cyperaceae). <i>Asian Journal of Chemistry</i> , 2021, 33, 1935-1940.	0.1	0
12	Unveiling the role of surface, size, shape and defects of iron oxide nanoparticles for theranostic applications. <i>Nanoscale</i> , 2021, 13, 14552-14571.	2.8	23
13	Impact of the chain length on the biodistribution profiles of PEGylated iron oxide nanoparticles: a multimodal imaging study. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5055-5068.	2.9	9
14	Mn ²⁺ Complexes with Pyclyen-Based Derivatives as Contrast Agents for Magnetic Resonance Imaging: Synthesis and Relaxometry Characterization. <i>Inorganic Chemistry</i> , 2021, 60, 3604-3619.	1.9	19
15	A new method of extracting polyphenols from honey using a biosorbent compared to the commercial resin amberlite XAD2. <i>Journal of Separation Science</i> , 2021, 44, 2089-2096.	1.3	2
16	A Greener Chemistry Process Using Microwaves in Continuous Flow to Synthesize Metallic Bismuth Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9177-9187.	3.2	6
17	Nanodiamonds as nanomaterial for biomedical field. <i>Frontiers of Materials Science</i> , 2021, 15, 334-351.	1.1	11
18	Functionalized silica nanoplatfom as a bimodal contrast agent for MRI and optical imaging. <i>Nanoscale</i> , 2021, 13, 16509-16524.	2.8	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. <i>Biomaterials Science</i> , 2021, 9, 7575-7590.	2.6	9
20	A new phenanthrene derivative from <i>Entada abyssinica</i> with antimicrobial and antioxidant properties. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, .	0.3	2
21	Medical Applications of Metallic Bismuth Nanoparticles. <i>Pharmaceutics</i> , 2021, 13, 1793.	2.0	20
22	Pyclen-based Gd complex with ionisable side-chain as a contrastophore for the design of hypersensitive MRI nanoprobe: Synthesis and relaxation studies. <i>Results in Chemistry</i> , 2021, 3, 100237.	0.9	2
23	Characterization of Organic Molecules Grafted to Silica or Bismuth Nanoparticles by NMR. <i>Applied Nano</i> , 2021, 2, 330-343.	0.9	0
24	Antibacterial and antioxidant activities and phytochemical composition of <i>Stereospermum kunthianum</i> root bark. <i>Natural Product Research</i> , 2021, , 1-11.	1.0	2
25	Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129435.	1.1	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. <i>Nanotechnology</i> , 2020, 31, 015102.	1.3	7
27	Modulation of adiponectin receptors AdipoR1 and AdipoR2 by phage display-derived peptides in <i>in vitro</i> and <i>in vivo</i> models. <i>Journal of Drug Targeting</i> , 2020, 28, 831-851.	2.1	1
28	Surface engineering of silica nanoparticles with a gadolinium-PCTA complex for efficient T ₁ -weighted MRI contrast agents. <i>New Journal of Chemistry</i> , 2020, 44, 18031-18047.	1.4	4
29	Development of an LDL Receptor-Targeted Peptide Susceptible to Facilitate the Brain Access of Diagnostic or Therapeutic Agents. <i>Biology</i> , 2020, 9, 161.	1.3	13
30	Antifungal potential of extracts, fractions and compounds from <i>Uvaria comperei</i> (Annonaceae) and <i>Oxyanthus unilocularis</i> (Rubiaceae). <i>Natural Product Research</i> , 2020, 35, 1-5.	1.0	2
31	VCAM-1 Target in Non-Invasive Imaging for the Detection of Atherosclerotic Plaques. <i>Biology</i> , 2020, 9, 368.	1.3	25
32	Anti-Inflammatory and Analgesic Effect of Arachic Acid Ethyl Ester Isolated from Propolis. <i>BioMed Research International</i> , 2020, 2020, 1-8.	0.9	12
33	Novel Polymeric Micelles-Coated Magnetic Nanoparticles for <i>In Vivo</i> Bioimaging of Liver: Toxicological Profile and Contrast Enhancement. <i>Materials</i> , 2020, 13, 2722.	1.3	5
34	Molecular Imaging of Galectin-1 Expression as a Biomarker of Papillary Thyroid Cancer by Using Peptide-Functionalized Imaging Probes. <i>Biology</i> , 2020, 9, 53.	1.3	5
35	Design, Characterization and Molecular Modeling of New Fluorinated Paramagnetic Contrast Agents for Dual ¹ H/ ¹⁹ F MRI. <i>Magnetochemistry</i> , 2020, 6, 8.	1.0	6
36	Influence of Experimental Parameters of a Continuous Flow Process on the Properties of Very Small Iron Oxide Nanoparticles (VSION) Designed for T ₁ -Weighted Magnetic Resonance Imaging (MRI). <i>Nanomaterials</i> , 2020, 10, 757.	1.9	19

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37	A new phenyl alkyl ester and a new combretin triterpene derivative from <i>Combretum fragrans</i> F. Hoffm (Combretaceae) and antiproliferative activity. <i>Open Chemistry</i> , 2020, 18, 1523-1531.	1.0	4
38	Simultaneous α -Alkyl- and α -Acyl-Lactone Cleavages from Hydroxy- α -Carboxylic Acid Initiators: Direct Access to Multiblock Architectures. <i>Macromolecules</i> , 2019, 52, 6382-6392.	2.2	9
39	Fluorinated MRI contrast agents and their versatile applications in the biomedical field. <i>Future Medicinal Chemistry</i> , 2019, 11, 1157-1175.	1.1	27
40	Bimodal Probe for Magnetic Resonance Imaging and Photoacoustic Imaging Based on a PCTA-Derived Gadolinium(III) Complex and ZW800-1. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3353-3353.	1.0	0
41	Bimodal Probe for Magnetic Resonance Imaging and Photoacoustic Imaging Based on a PCTA-Derived Gadolinium(III) Complex and ZW800-1. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3354-3365.	1.0	13
42	MRI-based numerical modeling strategy for simulation and treatment planning of nanoparticle-assisted photothermal therapy. <i>Physica Medica</i> , 2019, 66, 124-132.	0.4	34
43	Synthesis and Relaxometric Characterization of New Poly[<i>N</i> , <i>N</i> -bis(3-aminopropyl)glycine] (PAPGly) Dendrons Gd-Based Contrast Agents and Their <i>in Vivo</i> Study by Using the Dynamic Contrast-Enhanced MRI Technique at Low Field (1 T). <i>Chemistry and Biodiversity</i> , 2019, 16, e1900322.	1.0	3
44	Discrimination of Regioisomeric and Stereoisomeric Saponins from <i>Aesculus hippocastanum</i> Seeds by Ion Mobility Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2228-2237.	1.2	25
45	Simulation-guided photothermal therapy using MRI-traceable iron oxide-gold nanoparticle. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 199, 111599.	1.7	63
46	Comparison of MRI Properties between Multimeric DOTAGA and DO3A Gadolinium-Dendron Conjugates. <i>Inorganic Chemistry</i> , 2019, 58, 12798-12808.	1.9	9
47	Embedding of superparamagnetic iron oxide nanoparticles into membranes of well-defined poly(ethylene oxide)-block-poly(μ -caprolactone) nanoscale magnetovesicles as ultrasensitive MRI probes of membrane bio-degradation. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4692-4705.	2.9	15
48	Dendron based antifouling, MRI and magnetic hyperthermia properties of different shaped iron oxide nanoparticles. <i>Nanotechnology</i> , 2019, 30, 374002.	1.3	16
49	Combinatorial effects of radiofrequency hyperthermia and radiotherapy in the presence of magneto-plasmonic nanoparticles on MCF7 breast cancer cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 20028-20035.	2.0	31
50	Iron oxide-gold core-shell nano-theranostic for magnetically targeted photothermal therapy under magnetic resonance imaging guidance. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 1213-1219.	1.2	65
51	Hepatic and Renal Toxicity Induced by TiO_2 Nanoparticles in Rats: A Morphological and Metabonomic Study. <i>Journal of Toxicology</i> , 2019, 2019, 1-19.	1.4	43
52	Selective liquid phase oxidation of ethyl benzene to acetophenone by palladium nanoparticles immobilized on a $g-C_3N_4$ -rGO composite as a recyclable catalyst. <i>New Journal of Chemistry</i> , 2019, 43, 6921-6931.	1.4	27
53	Metallic bismuth nanoparticles: Towards a robust, productive and ultrasound assisted synthesis from batch to flow-continuous chemistry. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 167-173.	3.8	22
54	Backbone Cleavages of Protonated Peptoids upon Collision-Induced Dissociation: Competitive and Consecutive B-Y and A_1 -Y X Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2726-2740.	1.2	3

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55	Tailored ultra-small Prussian blue-based nanoparticles for MRI imaging and combined photothermal/photoacoustic theranostics. <i>Chemical Communications</i> , 2019, 55, 14844-14847.	2.2	15
56	Silica Coated Iron/Iron Oxide Nanoparticles as a Nano-Platform for T2 Weighted Magnetic Resonance Imaging. <i>Molecules</i> , 2019, 24, 4629.	1.7	24
57	Fabrication of Nanofibrous PVA/Alginateâ€Sulfate Substrates for Growth Factor Delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 403-413.	2.1	50
58	Magnetic iron oxide nanoparticles for drug delivery: applications and characteristics. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 69-78.	2.4	364
59	VSION as high field MRI T1 contrast agent: evidence of their potential as positive contrast agent for magnetic resonance angiography. <i>Nanotechnology</i> , 2018, 29, 265103.	1.3	18
60	Influence of experimental parameters on iron oxide nanoparticle properties synthesized by thermal decomposition: size and nuclear magnetic resonance studies. <i>Nanotechnology</i> , 2018, 29, 165603.	1.3	31
61	Optimizing Water Exchange Rates and Rotational Mobility for Highâ€Relaxivity of a Novel Gdâ€DO</sc>3A Derivative Complex Conjugated to Inulin as Macromolecular Contrast Agents for <sc>MRI</sc>. <i>Chemistry and Biodiversity</i> , 2018, 15, e1700487.	1.0	11
62	Evaluation of the Active Targeting of Melanin Granules after Intravenous Injection of Dendronized Nanoparticles. <i>Molecular Pharmaceutics</i> , 2018, 15, 536-547.	2.3	10
63	Metal Oxide Particles and Their Prospects for Applications. , 2018, , 3-42.		20
64	Reinvestigation of the mechanism of polymerization of Î²-butyrolactone from 1,5,7-triazabicyclo[4.4.0]dec-5-ene. <i>Polymer Chemistry</i> , 2018, 9, 1840-1847.	1.9	20
65	Structure of CoFe2O4@CdTe nanocomposite with core/shell structure for high-performance Bi-modal imaging. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 467-473.	2.3	4
66	Flying Cages in Traveling Wave Ion Mobility: Influence of the Instrumental Parameters on the Topology of the Hostâ€Guest Complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 121-132.	1.2	9
67	Drawing on biology to inspire molecular design: a redox-responsive MRI probe based on Gd(<sc>iii</sc>)-nicotinamide. <i>Chemical Communications</i> , 2018, 54, 12986-12989.	2.2	8
68	Imaging of Human Insulin Secreting Cells with Gd-DOTA-P88, a Paramagnetic Contrast Agent Targeting the Beta Cell Biomarker FXYD2Î³a. <i>Molecules</i> , 2018, 23, 2100.	1.7	9
69	Lipids constituents from <i>Gardenia aqualla</i> Stapf & Hutch. <i>Open Chemistry</i> , 2018, 16, 371-376.	1.0	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. <i>Toxicology Reports</i> , 2018, 5, 878-889.	1.6	36
72	New polyaminocarboxylate macrocycles containing phenolate binding units: synthesis, luminescent and relaxometric properties of their lanthanide complexes. <i>Dalton Transactions</i> , 2017, 46, 4654-4668.	1.6	9

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73	Synthesis and characterization of monophosphinic acid DOTA derivative: A smart tool with functionalities for multimodal imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4297-4303.	1.4	3
74	Importance of DOTA derivatives in bimodal imaging. <i>Israel Journal of Chemistry</i> , 2017, 57, 800-808.	1.0	15
75	How a grafting anchor tailors the cellular uptake and in vivo fate of dendronized iron oxide nanoparticles. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5152-5164.	2.9	11
76	Characterization of Gd loaded chitosan-TPP nanohydrogels by a multi-technique approach combining dynamic light scattering (DLS), asymmetrical flow-field-flow-fractionation (AF4) and atomic force microscopy (AFM) and design of positive contrast agents for molecular resonance imaging (MRI). <i>Nanotechnology</i> , 2017, 28, 055705.	1.3	17
77	Toward a new and noninvasive diagnostic method of papillary thyroid cancer by using peptide vectorized contrast agents targeted to galectin-1. <i>Medical Oncology</i> , 2017, 34, 184.	1.2	3
78	Synthesis, Functionalization, and Design of Magnetic Nanoparticles for Theranostic Applications. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700306.	3.9	176
79	Validation by Magnetic Resonance Imaging of the Diagnostic Potential of a Heptapeptide-Functionalized Imaging Probe Targeted to Amyloid- β^2 and Able to Cross the Blood-Brain Barrier. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 1547-1565.	1.2	10
80	Synthesis and Characterization of PEGylated and Fluorinated Chitosans: Application to the Synthesis of Targeted Nanoparticles for Drug Delivery. <i>Biomacromolecules</i> , 2017, 18, 2756-2766.	2.6	28
81	Galectin-1 is a diagnostic marker involved in thyroid cancer progression. <i>International Journal of Oncology</i> , 2017, 51, 760-770.	1.4	27
82	Biocompatible and fluorescent superparamagnetic iron oxide nanoparticles with superior magnetic properties coated with charged polysaccharide derivatives. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 402-407.	2.5	32
83	MRI Contrast Agents. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017, , .	0.2	24
84	PEGylated superparamagnetic iron oxide nanoparticles labeled with ^{68}Ga as a PET/MRI contrast agent: a biodistribution study. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 769-774.	0.7	25
85	New mono-ether of glycerol and triterpenes with DPPH radical scavenging activity from Cameroonian propolis. <i>Natural Product Research</i> , 2017, 31, 1379-1389.	1.0	31
86	Toxicity of TiO_2 nanoparticles on the NRK52E renal cell line. <i>Molecular and Cellular Toxicology</i> , 2017, 13, 419-431.	0.8	14
87	Early detection of colonic dysplasia by magnetic resonance molecular imaging with a contrast agent raised against the colon cancer marker MUC5AC. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 211-221.	0.4	9
88	^1H NMR relaxometric studies of interaction between apoptosis specific MRI paramagnetic contrast agents and micellar models of apoptotic cells. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 568-574.	1.1	0
89	Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Europium(III) DO3A as a Bimodal Imaging Probe. <i>Chemistry - A European Journal</i> , 2016, 22, 4521-4527.	1.7	17
90	Screening for peptides targeted to IL-7R α for molecular imaging of rheumatoid arthritis synovium. <i>Arthritis Research and Therapy</i> , 2016, 18, 230.	1.6	12

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91	Dual nano-sized contrast agents in PET/MRI: a systematic review. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 428-447.	0.4	36
92	Optical and relaxometric properties of monometallic (EuIII, TbIII, GdIII) and heterobimetallic (ReI/GdIII) systems based on a functionalized bipyridine-containing acyclic ligand. <i>Dalton Transactions</i> , 2016, 45, 8379-8393.	1.6	5
93	Washing effect on superparamagnetic iron oxide nanoparticles. <i>Data in Brief</i> , 2016, 7, 1296-1301.	0.5	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. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 381-395.	0.4	5
95	A comparative physicochemical, morphological and magnetic study of silane-functionalized superparamagnetic iron oxide nanoparticles prepared by alkaline coprecipitation. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 75, 203-211.	1.2	28
96	Magnetofluorescent micelles incorporating Dy ^{III} as potential bimodal agents for optical and high field magnetic resonance imaging. <i>Dalton Transactions</i> , 2016, 45, 4791-4801.	1.6	14
97	Ultrasound-targeted microbubble destruction: toward a new strategy for diabetes treatment. <i>Drug Discovery Today</i> , 2016, 21, 540-543.	3.2	11
98	Fluorophore-tagged superparamagnetic iron oxide nanoparticles as bimodal contrast agents for MR/optical imaging. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 87-93.	1.2	17
99	Infection-resistant MRI-visible scaffolds for tissue engineering applications. <i>BioImpacts</i> , 2016, 6, 111-115.	0.7	55
100	Superparamagnetic iron oxide nanoparticles for <i>in vivo</i> molecular and cellular imaging. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 329-355.	0.4	109
101	Development of a peptide-functionalized imaging nanoprobe for the targeting of (FX ₂) ₃ a as a highly specific biomarker of pancreatic beta cells. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 398-412.	0.4	19
102	Magnetofluorescent Nanoaggregates Incorporating Terbium(III) Complexes as Potential Bimodal Agents for Magnetic Resonance and Optical Imaging. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4572-4578.	1.0	8
103	Interaction between Iron Oxide Nanoparticles and HepaRG Cells: A Preliminary <i>In Vitro</i> Evaluation. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	1.5	3
104	Modulation of Relaxivity, Suspension Stability, and Biodistribution of Dendronized Iron Oxide Nanoparticles as a Function of the Organic Shell Design. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 552-560.	1.2	13
105	Fluorescent magnetic nanoparticles for cell labeling: Flux synthesis of manganite particles and novel functionalization of silica shell. <i>Journal of Colloid and Interface Science</i> , 2015, 447, 97-106.	5.0	21
106	Validation of a dendron concept to tune colloidal stability, MRI relaxivity and bioelimination of functional nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1484-1494.	2.9	28
107	Synthesis and processing of magnetic nanoparticles. <i>Current Opinion in Chemical Engineering</i> , 2015, 8, 7-14.	3.8	55
108	HR-MAS NMR Spectroscopy: An Innovative Tool for the Characterization of Iron Oxide Nanoparticles Tracers for Molecular Imaging. <i>Analytical Chemistry</i> , 2015, 87, 1701-1710.	3.2	13

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109	Nano-thermometers with thermo-sensitive polymer grafted USPIOs behaving as positive contrast agents in low-field MRI. <i>Nanoscale</i> , 2015, 7, 3754-3767.	2.8	47
110	Human Alveolar Epithelial Cell Responses to Core-Shell Superparamagnetic Iron Oxide Nanoparticles (SPIONs). <i>Langmuir</i> , 2015, 31, 3829-3839.	1.6	18
111	Functionalization of the PEG Corona of Nanoparticles by Click Photochemistry in Water: Application to the Grafting of RGD Ligands on PEGylated USPIO Imaging Agent. <i>Bioconjugate Chemistry</i> , 2015, 26, 822-829.	1.8	13
112	Synthesis of CdTe QDs by hydrothermal method, with tunable emission fluorescence. <i>Materials Research Express</i> , 2015, 2, 095901.	0.8	4
113	Nanotoxicology: advances and pitfalls in research methodology. <i>Nanomedicine</i> , 2015, 10, 2931-2952.	1.7	70
114	Magnetofluorescent micellar complexes of terbium(Tb^{3+}) as potential bimodal contrast agents for magnetic resonance and optical imaging. <i>Chemical Communications</i> , 2015, 51, 2984-2986.	2.2	20
115	Nanoparticles Based on Star Polymers as Theranostic Vectors: Endosomal-Triggered Drug Release Combined with MRI Sensitivity. <i>Advanced Healthcare Materials</i> , 2015, 4, 148-156.	3.9	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. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 211-224.	0.4	32
117	Thermodynamic stability and kinetic inertness of a Gd-DTPA bisamide complex grafted onto gold nanoparticles. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 179-187.	0.4	12
118	Proteomics Analysis Reveals Distinct Corona Composition on Magnetic Nanoparticles with Different Surface Coatings: Implications for Interactions with Primary Human Macrophages. <i>PLoS ONE</i> , 2015, 10, e0129008.	1.1	61
119	Molecular Imaging: From Bench to Clinic. <i>BioMed Research International</i> , 2014, 2014, 1-3.	0.9	16
120	NMR chemical shift study of the interaction of selected peptides with liposomal and micellar models of apoptotic cells. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 1367-1376.	1.1	2
121	Carboxy-silane coated iron oxide nanoparticles: a convenient platform for cellular and small animal imaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 387-397.	2.9	36
122	Bifunctional Gd(III) and Tb(III) chelates based on a pyridine-bis(iminodiacetate) platform, suitable optical probes and contrast agents for magnetic resonance imaging. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 300-312.	0.4	14
123	Hyperthermia-induced protein corona improves the therapeutic effects of zinc ferrite spinel-graphene sheets against cancer. <i>RSC Advances</i> , 2014, 4, 62557-62565.	1.7	50
124	Tuning the composition of biocompatible Gd nanohydrogels to achieve hypersensitive dual $T_{1\rho}$ / T_2 MRI contrast agents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6397-6405.	2.9	29
125	Micellar self-assemblies of gadolinium(iii)/europium(iii) amphiphilic complexes as model contrast agents for bimodal imaging. <i>Dalton Transactions</i> , 2014, 43, 3589.	1.6	30
126	Mastering the Shape and Composition of Dendronized Iron Oxide Nanoparticles To Tailor Magnetic Resonance Imaging and Hyperthermia. <i>Chemistry of Materials</i> , 2014, 26, 5252-5264.	3.2	105

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127	Synthesis and characterization of a new lanthanide based MRI contrast agent, potential and versatile tracer for multimodal imaging. <i>Tetrahedron</i> , 2014, 70, 5450-5454.	1.0	12
128	The precise molecular location of gadolinium atoms has a significant influence on the efficacy of nanoparticulate MRI positive contrast agents. <i>Polymer Chemistry</i> , 2014, 5, 2592-2601.	1.9	44
129	Mn ^{II} -containing coordination nanoparticles as highly efficient T ₁ contrast agents for magnetic resonance imaging. <i>Chemical Communications</i> , 2014, 50, 6740-6743.	2.2	38
130	Superparamagnetic iron oxide nanoparticles for delivery of therapeutic agents: opportunities and challenges. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1449-1470.	2.4	357
131	Blocked-micropores, surface functionalized, bio-compatible and silica-coated iron oxide nanocomposites as advanced MRI contrast agent. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	9
132	Protein corona affects the relaxivity and MRI contrast efficiency of magnetic nanoparticles. <i>Nanoscale</i> , 2013, 5, 8656.	2.8	98
133	Functionalization of Small Rigid Platforms with Cyclic RGD Peptides for Targeting Tumors Overexpressing $\alpha_5\beta_3$ -Integrins. <i>Bioconjugate Chemistry</i> , 2013, 24, 1584-1597.	1.8	49
134	Superparamagnetic iron oxide nanoparticles alter expression of obesity and T2D-associated risk genes in human adipocytes. <i>Scientific Reports</i> , 2013, 3, 2173.	1.6	36
135	Metal chelating crosslinkers form nanogels with high chelation stability. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6359.	2.9	45
136	New carboxysilane-coated iron oxide nanoparticles for nonspecific cell labelling. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 466-474.	0.4	23
137	Therapeutic Benefits from Nanoparticles: The Potential Significance of Nanoscience in Diseases with Compromise to the Blood Brain Barrier. <i>Chemical Reviews</i> , 2013, 113, 1877-1903.	23.0	187
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