

Lucie Sancey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

3,400
citations

35
h-index

56
g-index

103
ext. papers

3,994
ext. citations

6.4
avg, IF

4.93
L-index

#	Paper	IF	Citations
88	Monitoring of Gold Biodistribution from Nanoparticles Using a HPLC-Visible Method. <i>Separations</i> , 2021 , 8, 215	3.1	0
87	Theranostics in Boron Neutron Capture Therapy. <i>Life</i> , 2021 , 11,	3	7
86	3D Spatial Distribution of Nanoparticles in Mice Brain Metastases by X-ray Phase-Contrast Tomography. <i>Frontiers in Oncology</i> , 2021 , 11, 554668	5.3	1
85	Theranostic AGuIX nanoparticles as radiosensitizer: A phase I, dose-escalation study in patients with multiple brain metastases (NANO-RAD trial). <i>Radiotherapy and Oncology</i> , 2021 , 160, 159-165	5.3	17
84	Near-infrared emitting fluorescent homobimetallic gold(I) complexes displaying promising in vitro and in vivo therapeutic properties. <i>European Journal of Medicinal Chemistry</i> , 2021 , 220, 113483	6.8	1
83	A Luminescent, Water-Soluble Ir(III) Complex as a Potential Photosensitizer for Two-Photon Photodynamic Therapy. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11596	2.6	1
82	Surface functionalization of gold nanoclusters with arginine: a trade-off between microtumor uptake and radiotherapy enhancement. <i>Nanoscale</i> , 2020 , 12, 6959-6963	7.7	16
81	Water-Soluble Aza-BODIPYs: Biocompatible Organic Dyes for High Contrast NIR-II Imaging. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1088-1092	6.3	31
80	Dynamic Covalent Chemistry Enables Reconfigurable All-Polysaccharide Nanogels. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000213	4.8	5
79	Augmented interaction of multivalent arginine coated gold nanoclusters with lipid membranes and cells. <i>RSC Advances</i> , 2020 , 10, 6436-6443	3.7	2
78	X-ray Zernike phase contrast tomography: 3D ROI visualization of mm-sized mice organ tissues down to sub-cellular components. <i>Biomedical Optics Express</i> , 2020 , 11, 5506-5517	3.5	6
77	Iron Dysregulation in Human Cancer: Altered Metabolism, Biomarkers for Diagnosis, Prognosis, Monitoring and Rationale for Therapy. <i>Cancers</i> , 2020 , 12,	6.6	9
76	The Multifaceted Roles of Copper in Cancer: A Trace Metal Element with Dysregulated Metabolism, but Also a Target or a Bullet for Therapy. <i>Cancers</i> , 2020 , 12,	6.6	19
75	Aza-BODIPY: A New Vector for Enhanced Theranostic Boron Neutron Capture Therapy Applications. <i>Cells</i> , 2020 , 9,	7.9	12
74	Radiation Dose-Enhancement Is a Potent Radiotherapeutic Effect of Rare-Earth Composite Nanoscintillators in Preclinical Models of Glioblastoma. <i>Advanced Science</i> , 2020 , 7, 2001675	13.6	16
73	Multiparametric investigation of non functionalized-AGuIX nanoparticles in 3D human airway epithelium models demonstrates preferential targeting of tumor cells. <i>Journal of Nanobiotechnology</i> , 2020 , 18, 129	9.4	2
72	Gold nanoclusters as a contrast agent for image-guided surgery of head and neck tumors. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 20, 102011	6	19

71	Treatment of multiple brain metastases using gadolinium nanoparticles and radiotherapy: NANO-RAD, a phase I study protocol. <i>BMJ Open</i> , 2019 , 9, e023591	3	62
70	Ultrasmall theranostic gadolinium-based nanoparticles improve high-grade rat glioma survival. <i>Journal of Clinical Neuroscience</i> , 2019 , 67, 215-219	2.2	17
69	Selective Priming of Tumor Blood Vessels by Radiation Therapy Enhances Nanodrug Delivery. <i>Scientific Reports</i> , 2019 , 9, 15844	4.9	15
68	Tailored ultra-small Prussian blue-based nanoparticles for MRI imaging and combined photothermal/photoacoustic theranostics. <i>Chemical Communications</i> , 2019 , 55, 14844-14847	5.8	7
67	3D map of theranostic nanoparticles distribution in mice brain and liver by means of X-ray Phase Contrast Tomography. <i>Journal of Instrumentation</i> , 2018 , 13, C01049-C01049	1	1
66	Elemental imaging using laser-induced breakdown spectroscopy: A new and promising approach for biological and medical applications. <i>Coordination Chemistry Reviews</i> , 2018 , 358, 70-79	23.2	79
65	Anticancer properties of lipid and poly(E-caprolactone) nanocapsules loaded with ferrocenyl-tamoxifen derivatives. <i>Journal of Pharmacy and Pharmacology</i> , 2018 , 70, 1474-1484	4.8	5
64	A versatile method for the selective core-crosslinking of hyaluronic acid nanogels via ketone-hydrazide chemistry: from chemical characterization to in vivo biodistribution. <i>Biomaterials Science</i> , 2018 , 6, 1754-1763	7.4	12
63	Characterization of foreign materials in paraffin-embedded pathological specimens using in situ multi-elemental imaging with laser spectroscopy. <i>Modern Pathology</i> , 2018 , 31, 378-384	9.8	14
62	Elemental and optical imaging evaluation of zwitterionic gold nanoclusters in glioblastoma mouse models. <i>Nanoscale</i> , 2018 , 10, 18657-18664	7.7	34
61	Targeting tumors with cyclic RGD-conjugated lipid nanoparticles loaded with an IR780 NIR dye: In vitro and in vivo evaluation. <i>International Journal of Pharmaceutics</i> , 2017 , 532, 677-685	6.5	23
60	Zwitterion functionalized gold nanoclusters for multimodal near infrared fluorescence and photoacoustic imaging. <i>APL Materials</i> , 2017 , 5, 053404	5.7	41
59	Multi-elemental imaging of paraffin-embedded human samples by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017 , 133, 40-44	3.1	35
58	Orotracheal manganese-enhanced MRI (MEMRI): An effective approach for lung tumor detection. <i>NMR in Biomedicine</i> , 2017 , 30, e3790	4.4	3
57	Hydrophobicity of Gold Nanoclusters Influences Their Interactions with Biological Barriers. <i>Chemistry of Materials</i> , 2017 , 29, 7497-7506	9.6	36
56	Plasmon-mediated cancer phototherapy: the combined effect of thermal and photodynamic processes. <i>Nanoscale</i> , 2017 , 9, 19279-19289	7.7	29
55	Plasma Circulating Tumor DNA Levels for the Monitoring of Melanoma Patients: Landscape of Available Technologies and Clinical Applications. <i>BioMed Research International</i> , 2017 , 2017, 5986129	3	33
54	MRI-guided clinical 6-MV radiosensitization of glioma using a unique gadolinium-based nanoparticles injection. <i>Nanomedicine</i> , 2016 , 11, 2405-17	5.6	35

53	Advanced multimodal nanoparticles delay tumor progression with clinical radiation therapy. <i>Journal of Controlled Release</i> , 2016 , 238, 103-113	11.7	63
52	Safety Evaluation and Imaging Properties of Gadolinium-Based Nanoparticles in nonhuman primates. <i>Scientific Reports</i> , 2016 , 6, 35053	4.9	25
51	3D Imaging of Nanoparticle Distribution in Biological Tissue by Laser-Induced Breakdown Spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 29936	4.9	68
50	Monte Carlo simulations guided by imaging to predict the in vitro ranking of radiosensitizing nanoparticles. <i>International Journal of Nanomedicine</i> , 2016 , 11, 6169-6179	7.3	10
49	Gadolinium-Based Nanoparticles and Radiation Therapy for Multiple Brain Melanoma Metastases: Proof of Concept before Phase I Trial. <i>Theranostics</i> , 2016 , 6, 418-27	12.1	107
48	The High Radiosensitizing Efficiency of a Trace of Gadolinium-Based Nanoparticles in Tumors. <i>Scientific Reports</i> , 2016 , 6, 29678	4.9	29
47	An MRI-based classification scheme to predict passive access of 5 to 50-nm large nanoparticles to tumors. <i>Scientific Reports</i> , 2016 , 6, 21417	4.9	39
46	Long-term in vivo clearance of gadolinium-based AGuIX nanoparticles and their biocompatibility after systemic injection. <i>ACS Nano</i> , 2015 , 9, 2477-88	16.7	109
45	Nanoparticle Mediated Tumor Vascular Disruption: A Novel Strategy in Radiation Therapy. <i>Nano Letters</i> , 2015 , 15, 7488-96	11.5	125
44	Ultrasmall Nanoplatfoms as Calcium-Responsive Contrast Agents for Magnetic Resonance Imaging. <i>Small</i> , 2015 , 11, 4900-9	11	37
43	Gadolinium nanoparticles and contrast agent as radiation sensitizers. <i>Physics in Medicine and Biology</i> , 2015 , 60, 4449-64	3.8	51
42	Gadolinium-based nanoparticles for theranostic MRI-radiosensitization. <i>Nanomedicine</i> , 2015 , 10, 1801-15.6	7.0	70
41	Ultrasmall particles for Gd-MRI and (68) Ga-PET dual imaging. <i>Contrast Media and Molecular Imaging</i> , 2015 , 10, 309-19	3.2	30
40	The use of theranostic gadolinium-based nanoprobles to improve radiotherapy efficacy. <i>British Journal of Radiology</i> , 2014 , 87, 20140134	3.4	130
39	Innovative multimodal DOTA/NODA nanoparticles for MRI and PET imaging for tumor detection. <i>EJNMMI Physics</i> , 2014 , 1, A80	4.4	1
38	Advantages of gadolinium based ultrasmall nanoparticles vs molecular gadolinium chelates for radiotherapy guided by MRI for glioma treatment. <i>Cancer Nanotechnology</i> , 2014 , 5, 4	7.9	78
37	FRET imaging approaches for in vitro and in vivo characterization of synthetic lipid nanoparticles. <i>Molecular Pharmaceutics</i> , 2014 , 11, 3133-44	5.6	55
36	Mn(II)-containing coordination nanoparticles as highly efficient T(1) contrast agents for magnetic resonance imaging. <i>Chemical Communications</i> , 2014 , 50, 6740-3	5.8	34

35	Conventional versus stealth lipid nanoparticles: formulation and in vivo fate prediction through FRET monitoring. <i>Journal of Controlled Release</i> , 2014 , 188, 1-8	11.7	65
34	Multifunctional material based on ionic transition metal complexes and gold-silica nanoparticles: synthesis and photophysical characterization for application in imaging and therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 140, 396-404	6.7	16
33	Laser spectrometry for multi-elemental imaging of biological tissues. <i>Scientific Reports</i> , 2014 , 4, 6065	4.9	92
32	Laser-induced breakdown spectroscopy: a new approach for nanoparticle mapping and quantification in organ tissue. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	7
31	Functionalization of small rigid platforms with cyclic RGD peptides for targeting tumors overexpressing $\alpha_5\beta_1$ -integrins. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1584-97	6.3	42
30	Effect of particle size on the biodistribution of lipid nanocapsules: comparison between nuclear and fluorescence imaging and counting. <i>International Journal of Pharmaceutics</i> , 2013 , 453, 594-600	6.5	44
29	Bifunctional polypyridyl-Ru(II) complex grafted onto gadolinium-based nanoparticles for MR-imaging and photodynamic therapy. <i>Dalton Transactions</i> , 2013 , 42, 12410-20	4.3	26
28	In vivo evidence of the targeting of cartilaginous tissue by pyridinium functionalized nanoparticles. <i>Chemical Communications</i> , 2013 , 49, 3046-8	5.8	7
27	Development of gadolinium based nanoparticles having an affinity towards melanin. <i>Nanoscale</i> , 2013 , 5, 1603-15	7.7	23
26	Influence of size, surface coating and fine chemical composition on the in vitro reactivity and in vivo biodistribution of lipid nanocapsules versus lipid nanoemulsions in cancer models. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 375-87	6	64
25	Internalization pathways into cancer cells of gadolinium-based radiosensitizing nanoparticles. <i>Biomaterials</i> , 2013 , 34, 181-95	15.6	71
24	Mapping nanoparticles injected into a biological tissue using laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013 , 87, 168-174	3.1	46
23	A top-down synthesis route to ultrasmall multifunctional Gd-based silica nanoparticles for theranostic applications. <i>Chemistry - A European Journal</i> , 2013 , 19, 6122-36	4.8	100
22	Reduction of renal uptake of ^{111}In -DOTA-labeled and A700-labeled RAFT-RGD during integrin $\alpha_5\beta_1$ targeting using single photon emission computed tomography and optical imaging. <i>Cancer Science</i> , 2012 , 103, 1105-10	6.9	15
21	Near infrared labeling of PLGA for in vivo imaging of nanoparticles. <i>Polymer Chemistry</i> , 2012 , 3, 694	4.9	34
20	The natural cell-penetrating peptide crotamine targets tumor tissue in vivo and triggers a lethal calcium-dependent pathway in cultured cells. <i>Molecular Pharmaceutics</i> , 2012 , 9, 211-21	5.6	50
19	Physico-chemical parameters that govern nanoparticles fate also dictate rules for their molecular evolution. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 179-89	18.5	155
18	Mapping of native inorganic elements and injected nanoparticles in a biological organ with laser-induced plasma. <i>Applied Physics Letters</i> , 2012 , 101, 223702	3.4	29

17	Targeted delivery of a proapoptotic peptide to tumors in vivo. <i>Journal of Drug Targeting</i> , 2011 , 19, 582-85.4	24
16	FRET as a tool for the investigation of the fate of Lipidots contrast agents in vivo 2011 ,	1
15	The multiple roles of amphiregulin in human cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2011 , 1816, 119-31	11.2 118
14	Ultrasmall Rigid Particles as Multimodal Probes for Medical Applications. <i>Angewandte Chemie</i> , 2011 , 123, 12507-12511	3.6 14
13	Ultrasmall rigid particles as multimodal probes for medical applications. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12299-303	16.4 142
12	Bax-derived membrane-active peptides act as potent and direct inducers of apoptosis in cancer cells. <i>Journal of Cell Science</i> , 2011 , 124, 556-64	5.3 44
11	21: Drug vectorization with an integrin α _v β ₃ -targeted carrier for early diagnosis and cancer therapy. <i>Bulletin Du Cancer</i> , 2010 , 97, S20	2.4
10	Amphiregulin promotes BAX inhibition and resistance to gefitinib in non-small-cell lung cancers. <i>Molecular Therapy</i> , 2010 , 18, 528-35	11.7 42
9	Amphiregulin promotes resistance to gefitinib in nonsmall cell lung cancer cells by regulating Ku70 acetylation. <i>Molecular Therapy</i> , 2010 , 18, 536-43	11.7 34
8	Optical small animal imaging in the drug discovery process. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 2266-73	3.8 45
7	Application of click-chemistry to the synthesis of new multivalent RGD conjugates. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 5133-8	3.9 27
6	In vivo molecular imaging of myocardial angiogenesis using the alpha(v)beta3 integrin-targeted tracer ^{99m} Tc-RAFT-RGD. <i>Journal of Nuclear Cardiology</i> , 2010 , 17, 435-43	2.1 32
5	Clustering and internalization of integrin alpha(v)beta3 with a tetrameric RGD-synthetic peptide. <i>Molecular Therapy</i> , 2009 , 17, 837-43	11.7 131
4	Drug development in oncology assisted by noninvasive optical imaging. <i>International Journal of Pharmaceutics</i> , 2009 , 379, 309-16	6.5 16
3	Targeted delivery of activatable fluorescent pro-apoptotic peptide into live cells. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 221-4	3.9 35
2	Chemical and biological evaluations of an (¹¹¹ In)-labeled RGD-peptide targeting integrin alpha(V)beta(3) in a preclinical tumor model. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2008 , 23, 691-700	3.9 17
1	In vivo imaging of tumour angiogenesis in mice with the alpha(v)beta (3) integrin-targeted tracer ^{99m} Tc-RAFT-RGD. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007 , 34, 2037-47	8.8 55