

# Jean-Luc Coll

## List of Publications by Year in descending order

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Version: 2024-02-01

219  
papers

9,607  
citations

41627

51  
h-index

56606

87  
g-index

231  
all docs

231  
docs citations

231  
times ranked

15166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing the Pharmacological and Optical Dosimetry for Photodynamic Therapy with Methylene Blue and Nanoliposomal Benzoporphyrin on Pancreatic Cancer Spheroids. <i>Onco</i> , 2022, 2, 19-33.	0.2	4
2	Tailoring the SWIR emission of gold nanoclusters by surface ligand rigidification and their application in 3D bioimaging. <i>Chemical Communications</i> , 2022, 58, 2967-2970.	2.2	10
3	Targeting Tn-Antigen-Positive Human Tumors with a Recombinant Human Macrophage Galactose C-Type Lectin. <i>Molecular Pharmaceutics</i> , 2022, 19, 235-245.	2.3	15
4	Microtumor Models as a Preclinical Investigational Platform for Photodynamic Therapy. <i>Methods in Molecular Biology</i> , 2022, 2451, 33-47.	0.4	1
5	Tumor-Specific Imaging with Angiostamp800 or Bevacizumab-IRDye 800CW Improves Fluorescence-Guided Surgery over Indocyanine Green in Peritoneal Carcinomatosis. <i>Biomedicines</i> , 2022, 10, 1059.	1.4	2
6	Safety of use of the ENDOSWIR near-infrared optical imaging device on human tissues: prospective blind study. <i>Lasers in Medical Science</i> , 2022, 37, 2873-2877.	1.0	1
7	Optimization of spatial resolution and scattering effects for biomedical fluorescence imaging by using sub- $\mu$ regions of the shortwave infrared spectrum. <i>Journal of Biophotonics</i> , 2021, 14, e202000345.	1.1	6
8	Design of PEGylated Three Ligands Silica Nanoparticles for Multi-Receptor Targeting. <i>Nanomaterials</i> , 2021, 11, 177.	1.9	13
9	Chromophore reconstruction at depth in bilayered media: a method for quantification. <i>Biomedical Optics Express</i> , 2021, 12, 1279.	1.5	0
10	FGF-2 promotes angiogenesis through a SRSF1/SRSF3/SRPK1-dependent axis that controls VEGFR1 splicing in endothelial cells. <i>BMC Biology</i> , 2021, 19, 173.	1.7	53
11	The disc-shaped microcarriers: A new tool for increasing harvesting of adipose-derived mesenchymal stromal cells. <i>Biochemical Engineering Journal</i> , 2021, 174, 108082.	1.8	3
12	Renal Clearable Theranostic Nanoplatforms for Gastrointestinal Stromal Tumors. <i>Advanced Materials</i> , 2020, 32, e1905899.	11.1	34
13	Mechano-Bactericidal Titanium Surfaces for Bone Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48272-48283.	4.0	62
14	A collagen $\alpha 1$ -derived fragment inhibits FGF-2 induced-angiogenesis by modulating endothelial cells plasticity through its heparin-binding site. <i>Matrix Biology</i> , 2020, 94, 18-30.	1.5	12
15	Iron Dysregulation in Human Cancer: Altered Metabolism, Biomarkers for Diagnosis, Prognosis, Monitoring and Rationale for Therapy. <i>Cancers</i> , 2020, 12, 3524.	1.7	24
16	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, 3594.	1.7	126
17	Noninvasive Monitoring of Deep Tissue Oxygenation in Buried Flaps by Time-Resolved Near-Infrared Spectroscopy in Pigs. <i>Plastic and Reconstructive Surgery</i> , 2020, 146, 565e-577e.	0.7	2
18	Aza-BODIPY: A New Vector for Enhanced Theranostic Boron Neutron Capture Therapy Applications. <i>Cells</i> , 2020, 9, 1953.	1.8	27

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19	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.	4.2	3
20	Photodynamic Diagnosis and Therapy for Peritoneal Carcinomatosis: Emerging Perspectives. <i>Cancers</i> , 2020, 12, 2491.	1.7	17
21	Two Antagonistic Microtubule Targeting Drugs Act Synergistically to Kill Cancer Cells. <i>Cancers</i> , 2020, 12, 2196.	1.7	7
22	Distinction between arterial and venous occlusion with tissue oxygen pressure in a porcine fascio-cutaneous flap model. <i>Microsurgery</i> , 2020, 40, 881-885.	0.6	0
23	Surface functionalization of gold nanoclusters with arginine: a trade-off between microtumor uptake and radiotherapy enhancement. <i>Nanoscale</i> , 2020, 12, 6959-6963.	2.8	30
24	High-Resolution Shortwave Infrared Imaging of Vascular Disorders Using Gold Nanoclusters. <i>ACS Nano</i> , 2020, 14, 4973-4981.	7.3	62
25	Water-Soluble Aza-BODIPYs: Biocompatible Organic Dyes for High Contrast <i>In Vivo</i> NIR-II Imaging. <i>Bioconjugate Chemistry</i> , 2020, 31, 1088-1092.	1.8	60
26	Stapled peptide targeting the CDK4/Cyclin D interface combined with Abemaciclib inhibits KRAS mutant lung cancer growth. <i>Theranostics</i> , 2020, 10, 2008-2028.	4.6	15
27	Augmented interaction of multivalent arginine coated gold nanoclusters with lipid membranes and cells. <i>RSC Advances</i> , 2020, 10, 6436-6443.	1.7	4
28	Synthesis and Biological Characterization of Monomeric and Tetrameric RGD-Cryptophycin Conjugates. <i>Chemistry - A European Journal</i> , 2020, 26, 2602-2605.	1.7	14
29	Multimeric Presentation of RGD Peptidomimetics Enhances Integrin Binding and Tumor Cell Uptake. <i>Chemistry - A European Journal</i> , 2020, 26, 7492-7496.	1.7	10
30	Noninvasive monitoring of liver metastasis development via combined multispectral photoacoustic imaging and fluorescence diffuse optical tomography. <i>International Journal of Biological Sciences</i> , 2020, 16, 1616-1628.	2.6	21
31	Gold nanoclusters for biomedical applications: toward <i>in vivo</i> studies. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2216-2232.	2.9	95
32	Evaluation of the theranostic properties of gadolinium-based nanoparticles for head and neck cancer. <i>Head and Neck</i> , 2019, 41, 403-410.	0.9	6
33	The presence of PEG on nanoparticles presenting the c[RGDFK]- and/or ATWLPPR peptides deeply affects the RTKs-AKT-GSK3 <sup>β</sup> -eNOS signaling pathway and endothelial cells survival. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118507.	2.6	7
34	The Bone Morphogenetic Protein Signaling Inhibitor LDN-193189 Enhances Metastasis Development in Mice. <i>Frontiers in Pharmacology</i> , 2019, 10, 667.	1.6	11
35	Influence of the Spatial Conformation of Charged Ligands on the Optical Properties of Gold Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26705-26717.	1.5	15
36	Verteporfin-Loaded Lipid Nanoparticles Improve Ovarian Cancer Photodynamic Therapy <i>In Vitro</i> and <i>In Vivo</i> . <i>Cancers</i> , 2019, 11, 1760.	1.7	64

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37	A large scale proteome analysis of the gefitinib primary resistance overcome by KDAC inhibition in KRAS mutated adenocarcinoma cells overexpressing amphiregulin. <i>Journal of Proteomics</i> , 2019, 195, 114-124.	1.2	10
38	High photoluminescence of shortwave infrared-emitting anisotropic surface charged gold nanoclusters. <i>Nanoscale</i> , 2019, 11, 12092-12096.	2.8	44
39	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.	1.7	29
40	Ultravioletâ€“visibleâ€“near-infrared optical properties of amyloid fibrils shed light on amyloidogenesis. <i>Nature Photonics</i> , 2019, 13, 473-479.	15.6	69
41	Near-Infrared Optical Imaging of Nucleic Acid Nanocarriers In Vivo. <i>Methods in Molecular Biology</i> , 2019, 1943, 347-363.	0.4	2
42	Photoacoustic imaging as an innovative technique for the exploration of blue rubber bleb naevus. <i>British Journal of Dermatology</i> , 2019, 181, 596-597.	1.4	3
43	VEGF165b, a splice variant of VEGF-A, promotes lung tumor progression and escape from anti-angiogenic therapies through a $\beta 1$ integrin/VEGFR autocrine loop. <i>Oncogene</i> , 2019, 38, 1050-1066.	2.6	38
44	The pyrrolopyrimidine colchicine-binding site agent PP-13 reduces the metastatic dissemination of invasive cancer cells in vitro and in vivo. <i>Biochemical Pharmacology</i> , 2019, 160, 1-13.	2.0	17
45	Blood oxygenation in buried flaps: a bi-layer reconstruction. , 2019, , .		1
46	Time-Resolved Optical Monitoring to detect and identify deep flaps (Conference Presentation). , 2019, , .		0
47	Anti-tumor efficacy of hyaluronan-based nanoparticles for the co-delivery of drugs in lung cancer. <i>Journal of Controlled Release</i> , 2018, 275, 117-128.	4.8	63
48	Nuclear translocation of IGF1R by intracellular amphiregulin contributes to the resistance of lung tumour cells to EGFR-TKI. <i>Cancer Letters</i> , 2018, 420, 146-155.	3.2	20
49	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.	9.5	108
50	Iterative Photoinduced Chain Functionalization as a Generic Platform for Advanced Polymeric Drug Delivery Systems. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700502.	2.0	7
51	Heteromultivalent targeting of integrin $\alpha 3$ and neuropilin 1 promotes cell survival via the activation of the IGF-1/insulin receptors. <i>Biomaterials</i> , 2018, 155, 64-79.	5.7	12
52	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.	2.9	23
53	Polyheteroaryl Oxazole/Pyridine-Based Compounds Selected in Vitro as G-Quadruplex Ligands Inhibit Rock Kinase and Exhibit Antiproliferative Activity. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10502-10518.	2.9	16
54	Elemental and optical imaging evaluation of zwitterionic gold nanoclusters in glioblastoma mouse models. <i>Nanoscale</i> , 2018, 10, 18657-18664.	2.8	51

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55	Design of RGD-ATWLPPR peptide conjugates for the dual targeting of $\alpha_5\beta_3$ integrin and neuropilin-1. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4101-4107.	1.5	14
56	A versatile method for the selective core-crosslinking of hyaluronic acid nanogels <i>via</i> ketone-hydrazide chemistry: from chemical characterization to <i>in vivo</i> biodistribution. <i>Biomaterials Science</i> , 2018, 6, 1754-1763.	2.6	16
57	Reply to: Comments on "Intraoperative near-infrared fluorescence imaging using indocyanine green in colorectal carcinomatosis surgery: Proof of concept". <i>European Journal of Surgical Oncology</i> , 2017, 43, 242-243.	0.5	2
58	The critical role of the <i>ZNF217</i> oncogene in promoting breast cancer metastasis to the bone. <i>Journal of Pathology</i> , 2017, 242, 73-89.	2.1	42
59	Targeting tumors with cyclic RGD-conjugated lipid nanoparticles loaded with an IR780 NIR dye: <i>In vitro</i> and <i>in vivo</i> evaluation. <i>International Journal of Pharmaceutics</i> , 2017, 532, 677-685.	2.6	33
60	Zwitterion functionalized gold nanoclusters for multimodal near infrared fluorescence and photoacoustic imaging. <i>APL Materials</i> , 2017, 5, .	2.2	52
61	Systemic Delivery of Tumor-Targeted Bax-Derived Membrane-Active Peptides for the Treatment of Melanoma Tumors in a Humanized SCID Mouse Model. <i>Molecular Therapy</i> , 2017, 25, 534-546.	3.7	18
62	Porphyrin- or phthalocyanine-bridged silsesquioxane nanoparticles for two-photon photodynamic therapy or photoacoustic imaging. <i>Nanoscale</i> , 2017, 9, 16622-16626.	2.8	33
63	Exploration of melanoma metastases in mice brains using endogenous contrast photoacoustic imaging. <i>International Journal of Pharmaceutics</i> , 2017, 532, 704-709.	2.6	30
64	Orotracheal manganese-enhanced MRI (MEMRI): An effective approach for lung tumor detection. <i>NMR in Biomedicine</i> , 2017, 30, e3790.	1.6	6
65	Hydrophobicity of Gold Nanoclusters Influences Their Interactions with Biological Barriers. <i>Chemistry of Materials</i> , 2017, 29, 7497-7506.	3.2	53
66	"Polymultivalent-Polymer" Peptide Cluster Conjugates for an Enhanced Targeting of Cells Expressing $\alpha_5\beta_3$ Integrins. <i>Bioconjugate Chemistry</i> , 2017, 28, 2241-2245.	1.8	11
67	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, 1-8.	0.9	39
68	Identification of pyrrolopyrimidine derivative PP-13 as a novel microtubule-destabilizing agent with promising anticancer properties. <i>Scientific Reports</i> , 2017, 7, 10209.	1.6	16
69	Atelocollagen-mediated <i>in vivo</i> siRNA transfection in ovarian carcinoma is influenced by tumor site, siRNA target and administration route. <i>Oncology Reports</i> , 2017, 38, 1949-1958.	1.2	6
70	Unsuccessful mitosis in multicellular tumour spheroids. <i>Oncotarget</i> , 2017, 8, 28769-28784.	0.8	9
71	Synergistic activity of vorinostat combined with gefitinib but not with sorafenib in mutant KRAS human non-small cell lung cancers and hepatocarcinoma. <i>OncoTargets and Therapy</i> , 2016, Volume 9, 6843-6855.	1.0	30
72	Surface delivery of tunable doses of BMP-2 from an adaptable polymeric scaffold induces volumetric bone regeneration. <i>Biomaterials</i> , 2016, 104, 168-181.	5.7	124

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73	Intraoperative Near-Infrared Fluorescence Imaging using indocyanine green in colorectal carcinomatosis surgery: Proof of concept. <i>European Journal of Surgical Oncology</i> , 2016, 42, 1931-1937.	0.5	35
74	The High Radiosensitizing Efficiency of a Trace of Gadolinium-Based Nanoparticles in Tumors. <i>Scientific Reports</i> , 2016, 6, 29678.	1.6	40
75	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.	1.6	44
76	LIM Kinase Inhibitor Pyr1 Reduces the Growth and Metastatic Load of Breast Cancers. <i>Cancer Research</i> , 2016, 76, 3541-3552.	0.4	28
77	Electrochemotherapy guided by intraoperative fluorescence imaging for the treatment of inoperable peritoneal micro-metastases. <i>Journal of Controlled Release</i> , 2016, 233, 81-87.	4.8	12
78	Renal Clearable Organic Nanocarriers for Bioimaging and Drug Delivery. <i>Advanced Materials</i> , 2016, 28, 8162-8168.	11.1	122
79	Investigation of Controllable Nanoscale Heat-Denatured Bovine Serum Albumin Films on Graphene. <i>Langmuir</i> , 2016, 32, 12623-12631.	1.6	14
80	Near-Infrared fluorescence imaging-guided surgery improves recurrence-free survival rate in novel orthotopic animal model of head and neck squamous cell carcinoma. <i>Head and Neck</i> , 2016, 38, E246-55.	0.9	33
81	Detection of KRAS mutations using double-stranded toehold-exchange probes. <i>Biosensors and Bioelectronics</i> , 2016, 80, 175-181.	5.3	3
82	Improving Surgical Resection of Metastatic Liver Tumors With Near-Infrared Optical-Guided Fluorescence Imaging. <i>Surgical Innovation</i> , 2016, 23, 354-359.	0.4	9
83	Toward noninvasive assessment of flap viability with time-resolved diffuse optical tomography: a preclinical test on rats. <i>Journal of Biomedical Optics</i> , 2016, 21, 1.	1.4	15
84	A palm-sized high-sensitivity near-infrared fluorescence imager for laparotomy surgery. <i>Physica Medica</i> , 2016, 32, 218-225.	0.4	5
85	Unambiguous and Controlled One-Pot Synthesis of Multifunctional Silica Nanoparticles. <i>Chemistry of Materials</i> , 2016, 28, 885-889.	3.2	29
86	Targeting CD44 receptor-positive lung tumors using polysaccharide-based nanocarriers: Influence of nanoparticle size and administration route. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 921-932.	1.7	45
87	Compared <i>in vivo</i> toxicity in mice of lung delivered biodegradable and non-biodegradable nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 292-302.	1.6	45
88	Myoconductive and osteoinductive free-standing polysaccharide membranes. <i>Acta Biomaterialia</i> , 2015, 15, 139-149.	4.1	57
89	A miniaturized imaging system for optical guided surgery of head and neck cancer. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
90	Miniaturized Clinical Imaging Device for Optical Surgery. , 2015, , 341-351.		2

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91	Role of near-infrared fluorescence imaging in the resection of metastatic lymph nodes in an optimized orthotopic animal model of HNSCC. <i>European Annals of Otorhinolaryngology, Head and Neck Diseases</i> , 2015, 132, 337-342.	0.4	10
92	Nebulized Gadolinium-Based Nanoparticles: A Theranostic Approach for Lung Tumor Imaging and Radiosensitization. <i>Small</i> , 2015, 11, 215-221.	5.2	83
93	Role of near-infrared fluorescence imaging in head and neck cancer surgery: from animal models to humans. <i>European Archives of Oto-Rhino-Laryngology</i> , 2015, 272, 2593-2600.	0.8	27
94	Fluorescent Angiography for Flap Planning and Monitoring in Reconstructive Surgery. , 2015, , 301-310.		2
95	A Recombinant Fungal Lectin for Labeling Truncated Glycans on Human Cancer Cells. <i>PLoS ONE</i> , 2015, 10, e0128190.	1.1	25
96	A new chemical inhibitor of angiogenesis and tumorigenesis that targets the VEGF signaling pathway upstream of Ras. <i>Oncotarget</i> , 2015, 6, 5382-5411.	0.8	11
97	IPP51, a chalcone acting as a microtubule inhibitor with <i>in vivo</i> antitumor activity against bladder carcinoma. <i>Oncotarget</i> , 2015, 6, 14669-14686.	0.8	35
98	Discovery of benzo[e]pyridoindolones as kinase inhibitors that disrupt mitosis exit while erasing AMPK-Thr172 phosphorylation on the spindle. <i>Oncotarget</i> , 2015, 6, 22152-22166.	0.8	7
99	Abstract 5399: Anti-cancer activity of a new LIM-Kinases inhibitor: "LIM-Pyr1", 2015, , .		0
100	Human Full-Length Coagulation Factor X and a GLA Domain-Derived 40-mer Polypeptide Bind to Different Regions of the Adenovirus Serotype 5 Hexon Capsomer. <i>Human Gene Therapy</i> , 2014, 25, 339-349.	1.4	7
101	<i>In vivo</i> MRI for effective noninvasive detection and follow-up of an orthotopic mouse model of lung cancer. <i>NMR in Biomedicine</i> , 2014, 27, 971-979.	1.6	17
102	The PI3K/AKT pathway promotes gefitinib resistance in mutant <i>KRAS</i> lung adenocarcinoma by a deacetylase-dependent mechanism. <i>International Journal of Cancer</i> , 2014, 134, 2560-2571.	2.3	50
103	The In Vivo Radiosensitizing Effect of Gold Nanoparticles Based MRI Contrast Agents. <i>Small</i> , 2014, 10, 1116-1124.	5.2	111
104	Quantitative biodistribution and pharmacokinetics of multimodal gadolinium-based nanoparticles for lungs using ultrashort TE MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 303-316.	1.1	34
105	The use of theranostic gadolinium-based nanoprobe to improve radiotherapy efficacy. <i>British Journal of Radiology</i> , 2014, 87, 20140134.	1.0	167
106	Self-assembled biotransesterified cyclodextrins as potential Artemisinin nanocarriers. II: In vitro behavior toward the immune system and in vivo biodistribution assessment of unloaded nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 683-694.	2.0	15
107	FRET Imaging Approaches for <i>In Vitro</i> and <i>In Vivo</i> Characterization of Synthetic Lipid Nanoparticles. <i>Molecular Pharmaceutics</i> , 2014, 11, 3133-3144.	2.3	62
108	Targeting and in vivo imaging of non-small-cell lung cancer using nebulized multimodal contrast agents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9247-9252.	3.3	52

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109	Spatial patterning of BMP-2 and BMP-7 on biopolymeric films and the guidance of muscle cell fate. <i>Biomaterials</i> , 2014, 35, 3975-3985.	5.7	69
110	Targeted imaging of $\beta$ -galactosidase expressing sarcoma tumor cells in vivo in pre-operative setting using near infrared: A potential tool to reduce incomplete surgical resection. <i>Bone</i> , 2014, 62, 71-78.	1.4	13
111	Conventional versus stealth lipid nanoparticles: Formulation and in vivo fate prediction through FRET monitoring. <i>Journal of Controlled Release</i> , 2014, 188, 1-8.	4.8	82
112	Surface modification of lipid nanocapsules with polysaccharides: From physicochemical characteristics to in vivo aspects. <i>Acta Biomaterialia</i> , 2013, 9, 6686-6693.	4.1	32
113	Noninvasive and Quantitative Assessment of In Vivo Angiogenesis Using RGD-Based Fluorescence Imaging of Subcutaneous Sponges. <i>Molecular Imaging and Biology</i> , 2013, 15, 239-244.	1.3	11
114	Functionalization of Small Rigid Platforms with Cyclic RGD Peptides for Targeting Tumors Overexpressing $\beta$ 3-Integrins. <i>Bioconjugate Chemistry</i> , 2013, 24, 1584-1597.	1.8	49
115	Near-infrared optical guided surgery of highly infiltrative fibrosarcomas in cats using an anti- $\beta$ 3 integrin molecular probe. <i>Cancer Letters</i> , 2013, 334, 188-195.	3.2	45
116	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.	2.6	54
117	Integrin and matrix metalloprotease dual-targeting with an MMP substrate- $\alpha$ -RGD conjugate. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 448-452.	1.5	4
118	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, 375-387.	1.7	70
119	The dual effect of mscs on tumour growth and tumour angiogenesis. <i>Stem Cell Research and Therapy</i> , 2013, 4, 41.	2.4	45
120	Near-Infrared Optical Imaging of Nucleic Acid Nanocarriers In Vivo. <i>Methods in Molecular Biology</i> , 2013, 948, 49-65.	0.4	2
121	CCM1/ $\alpha$ -ICAP-1 complex controls $\beta$ 1 integrin-dependent endothelial contractility and fibronectin remodeling. <i>Journal of Cell Biology</i> , 2013, 202, 545-561.	2.3	93
122	LipImage $\alpha$ , $\beta$ 815: novel dye-loaded lipid nanoparticles for long-term and sensitive <i>in vivo</i> near-infrared fluorescence imaging. <i>Journal of Biomedical Optics</i> , 2013, 18, 101311.	1.4	35
123	CCM1/ $\alpha$ -ICAP-1 complex controls $\beta$ 1 integrin-dependent endothelial contractility and fibronectin remodelling. <i>Journal of Experimental Medicine</i> , 2013, 210, 2109-2118.	4.2	0
124	FluoSTIC: miniaturized fluorescence image-guided surgery system. <i>Journal of Biomedical Optics</i> , 2012, 17, 106014.	1.4	23
125	ZNF217 Is a Marker of Poor Prognosis in Breast Cancer That Drives Epithelial-Mesenchymal Transition and Invasion. <i>Cancer Research</i> , 2012, 72, 3593-3606.	0.4	107
126	Validation of an XCT/fDOT System on Mice. , 2012, 2012, 1-13.		2



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127	Positron emission tomography imaging of tumor angiogenesis and monitoring of antiangiogenic efficacy using the novel tetrameric peptide probe <sup>64</sup> Cu-cyclam-RAFT-c(-RGDfK)-4. <i>Angiogenesis</i> , 2012, 15, 569-580.	3.7	27
128	Near infrared labeling of PLGA for in vivo imaging of nanoparticles. <i>Polymer Chemistry</i> , 2012, 3, 694.	1.9	39
129	The Natural Cell-Penetrating Peptide Crotonamine Targets Tumor Tissue <i>in Vivo</i> and Triggers a Lethal Calcium-Dependent Pathway in Cultured Cells. <i>Molecular Pharmaceutics</i> , 2012, 9, 211-221.	2.3	62
130	Physico-chemical parameters that govern nanoparticles fate also dictate rules for their molecular evolution. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 179-189.	6.6	182
131	Defective vascular integrity upon KRIT1/ICAP-1 complex loss in CCM correlates with aberrant beta 1 integrin-dependent extracellular matrix remodeling. <i>Vascular Pharmacology</i> , 2012, 56, 332-333.	1.0	1
132	Gelofusine reduces renal uptake of RAFT-RGD. Gelofusine reduced renal uptake of RAFT-RGD, a tetrameric RGD-based peptide that specifically targets the integrin $\alpha v \beta 3$ , without affecting its local distribution. <i>Cancer Science</i> , 2012, 103, June cover-June cover.	1.7	1
133	Reduction of renal uptake of <sup>111</sup> In-labeled and <sup>700</sup> kBq-labeled RAFT-RGD during integrin $\alpha v \beta 3$ targeting using single photon emission computed tomography and optical imaging. <i>Cancer Science</i> , 2012, 103, 1105-1110.	1.7	17
134	Distribution and Radiosensitizing Effect of Cholesterol-Coupled Dbait Molecule in Rat Model of Glioblastoma. <i>PLoS ONE</i> , 2012, 7, e40567.	1.1	21
135	Cancer optical imaging using fluorescent nanoparticles. <i>Nanomedicine</i> , 2011, 6, 7-10.	1.7	29
136	Targeted delivery of a proapoptotic peptide to tumors <i>in vivo</i> . <i>Journal of Drug Targeting</i> , 2011, 19, 582-588.	2.1	27
137	Noninvasive visualization and quantification of tumor $\alpha v \beta 3$ integrin expression using a novel positron emission tomography probe, <sup>64</sup> Cu-cyclam-RAFT-c(-RGDfK)-4. <i>Nuclear Medicine and Biology</i> , 2011, 38, 529-540.	0.3	29
138	FRET as a tool for the investigation of the fate of Lipidots contrast agents in vivo. , 2011, , .		1
139	Inhibition of cardiac leptin expression after infarction reduces subsequent dysfunction. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1688-1694.	1.6	18
140	The multiple roles of amphiregulin in human cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2011, 1816, 119-131.	3.3	148
141	Insulin-like growth factor-1 receptor inhibition overcomes gefitinib resistance in mucinous lung adenocarcinoma. <i>Journal of Pathology</i> , 2011, 225, 83-95.	2.1	43
142	Ultrasmall Rigid Particles as Multimodal Probes for Medical Applications. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12299-12303.	7.2	156
143	Tumor transfection after systemic injection of DNA lipid nanocapsules. <i>Biomaterials</i> , 2011, 32, 2327-2333.	5.7	43
144	Lifelong reporter gene imaging in the lungs of mice following polyethyleneimine-mediated sleeping-beauty transposon delivery. <i>Biomaterials</i> , 2011, 32, 1978-1985.	5.7	14

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