

# Jean-Luc Coll

## List of Publications by Year in descending order

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219  
papers

9,607  
citations

36303

51  
h-index

49909

87  
g-index

231  
all docs

231  
docs citations

231  
times ranked

13613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Gadolinium Oxide Nanoparticles: A Multimodal Contrast Agents for in Vivo Imaging. Journal of the American Chemical Society, 2007, 129, 5076-5084.	13.7	721
2	Side-effects of a systemic injection of linear polyethylenimine-DNA complexes. Journal of Gene Medicine, 2002, 4, 84-91.	2.8	363
3	Transfection and physical properties of various saccharide, poly(ethylene glycol), and antibody-derivatized polyethylenimines (PEI). Journal of Gene Medicine, 1999, 1, 210-222.	2.8	284
4	In Vivo Delivery to Tumors of DNA Complexed with Linear Polyethylenimine. Human Gene Therapy, 1999, 10, 1659-1666.	2.7	204
5	Template Assembled Cyclopeptides as Multimeric System for Integrin Targeting and Endocytosis. Journal of the American Chemical Society, 2004, 126, 5730-5739.	13.7	202
6	Targeted disruption of vinculin genes in F9 and embryonic stem cells changes cell morphology, adhesion, and locomotion.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 9161-9165.	7.1	194
7	Apoptosis-related factors p53, Bcl2, and Bax in neuroendocrine lung tumors. American Journal of Pathology, 1996, 149, 1941-52.	3.8	189
8	Physico-chemical parameters that govern nanoparticles fate also dictate rules for their molecular evolution. Advanced Drug Delivery Reviews, 2012, 64, 179-189.	13.7	182
9	Targeting cyclin B1 through peptide-based delivery of siRNA prevents tumour growth. Nucleic Acids Research, 2009, 37, 4559-4569.	14.5	169
10	The use of theranostic gadolinium-based nanoprobe to improve radiotherapy efficacy. British Journal of Radiology, 2014, 87, 20140134.	2.2	167
11	Ultrasml Rigid Particles as Multimodal Probes for Medical Applications. Angewandte Chemie - International Edition, 2011, 50, 12299-12303.	13.8	156
12	Clustering and Internalization of Integrin $\alpha_3\beta_1$ With a Tetrameric RGD-synthetic Peptide. Molecular Therapy, 2009, 17, 837-843.	8.2	148
13	The multiple roles of amphiregulin in human cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2011, 1816, 119-131.	7.4	148
14	The Multifaceted Roles of Copper in Cancer: A Trace Metal Element with Dysregulated Metabolism, but Also a Target or a Bullet for Therapy. Cancers, 2020, 12, 3594.	3.7	126
15	Control of the in vivo Biodistribution of Hybrid Nanoparticles with Different Poly(ethylene glycol) Coatings. Small, 2009, 5, 2565-2575.	10.0	125
16	Surface delivery of tunable doses of BMP-2 from an adaptable polymeric scaffold induces volumetric bone regeneration. Biomaterials, 2016, 104, 168-181.	11.4	124
17	Renal Clearable Organic Nanocarriers for Bioimaging and Drug Delivery. Advanced Materials, 2016, 28, 8162-8168.	21.0	122
18	p14ARF induces G2 arrest and apoptosis independently of p53 leading to regression of tumours established in nude mice. Oncogene, 2003, 22, 1822-1835.	5.9	114

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19	Tumor targeting of functionalized lipid nanoparticles: Assessment by in vivo fluorescence imaging. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 75, 137-147.	4.3	111
20	The In Vivo Radiosensitizing Effect of Gold Nanoparticles Based MRI Contrast Agents. Small, 2014, 10, 1116-1124.	10.0	111
21	Elemental imaging using laser-induced breakdown spectroscopy: A new and promising approach for biological and medical applications. Coordination Chemistry Reviews, 2018, 358, 70-79.	18.8	108
22	ZNF217 Is a Marker of Poor Prognosis in Breast Cancer That Drives Epithelialâ€“Mesenchymal Transition and Invasion. Cancer Research, 2012, 72, 3593-3606.	0.9	107
23	Gold nanoclusters for biomedical applications: toward <i>in vivo</i> studies. Journal of Materials Chemistry B, 2020, 8, 2216-2232.	5.8	95
24	CCM1â€“ICAP-1 complex controls $\beta$ 1 integrinâ€“dependent endothelial contractility and fibronectin remodeling. Journal of Cell Biology, 2013, 202, 545-561.	5.2	93
25	Small-Molecule Drugs Mimicking DNA Damage: A New Strategy for Sensitizing Tumors to Radiotherapy. Clinical Cancer Research, 2009, 15, 1308-1316.	7.0	87
26	New Multifunctional Molecular Conjugate Vector for Targeting, Imaging, and Therapy of Tumors. Molecular Therapy, 2005, 12, 1168-1175.	8.2	85
27	Nebulized Gadolinium-Based Nanoparticles: A Theranostic Approach for Lung Tumor Imaging and Radiosensitization. Small, 2015, 11, 215-221.	10.0	83
28	Inhibition of Apoptosis by Amphiregulin via an Insulin-like Growth Factor-1 Receptor-dependent Pathway in Non-small Cell Lung Cancer Cell Lines. Journal of Biological Chemistry, 2002, 277, 49127-49133.	3.4	82
29	Conventional versus stealth lipid nanoparticles: Formulation and in vivo fate prediction through FRET monitoring. Journal of Controlled Release, 2014, 188, 1-8.	9.9	82
30	In vivo optical imaging of integrin $\beta$ 1- $\beta$ 3 in mice using multivalent or monovalent cRGD targeting vectors. Molecular Cancer, 2007, 6, 41.	19.2	79
31	Multivalent RGD synthetic peptides as potent $\beta$ 1- $\beta$ 3 integrin ligands. Organic and Biomolecular Chemistry, 2006, 4, 1958-1965.	2.8	76
32	The transcription factor E2F1 and the SR protein SC35 control the ratio of pro-angiogenic versus antiangiogenic isoforms of vascular endothelial growth factor-A to inhibit neovascularization in vivo. Oncogene, 2010, 29, 5392-5403.	5.9	74
33	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. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 375-387.	3.3	70
34	Spatial patterning of BMP-2 and BMP-7 on biopolymeric films and the guidance of muscle cell fate. Biomaterials, 2014, 35, 3975-3985.	11.4	69
35	Ultravioletâ€“visibleâ€“near-infrared optical properties of amyloid fibrils shed light on amyloidogenesis. Nature Photonics, 2019, 13, 473-479.	31.4	69
36	Genuine DNA/polyethylenimine (PEI) Complexes Improve Transfection Properties and Cell Survival. Journal of Drug Targeting, 2004, 12, 223-236.	4.4	64

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37	Verteporfin-Loaded Lipid Nanoparticles Improve Ovarian Cancer Photodynamic Therapy In Vitro and In Vivo. <i>Cancers</i> , 2019, 11, 1760.	3.7	64
38	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.	9.9	63
39	Cell death and cancer: replacement of apoptotic genes and inactivation of death suppressor genes in therapy. <i>Gene Therapy</i> , 1998, 5, 728-739.	4.5	62
40	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.	4.6	62
41	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.	4.6	62
42	Mechano-Bactericidal Titanium Surfaces for Bone Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48272-48283.	8.0	62
43	High-Resolution Shortwave Infrared Imaging of Vascular Disorders Using Gold Nanoclusters. <i>ACS Nano</i> , 2020, 14, 4973-4981.	14.6	62
44	Intraoperative near-infrared image-guided surgery for peritoneal carcinomatosis in a preclinical experimental model. <i>British Journal of Surgery</i> , 2010, 97, 737-743.	0.3	60
45	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.	3.6	60
46	In vivo mice lung tumor follow-up with fluorescence diffuse optical tomography. <i>Journal of Biomedical Optics</i> , 2008, 13, 011008.	2.6	59
47	Myoconductive and osteoinductive free-standing polysaccharide membranes. <i>Acta Biomaterialia</i> , 2015, 15, 139-149.	8.3	57
48	Structural basis for recognition of breast and colon cancer epitopes Tn antigen and Forssman disaccharide by Helix pomatia lectin. <i>Glycobiology</i> , 2007, 17, 1077-1083.	2.5	56
49	Optical small animal imaging in the drug discovery process. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 2266-2273.	2.6	56
50	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.	5.2	54
51	Noninvasive Optical Imaging of Ovarian Metastases Using Cy5-labeled RAFT-c(-RGDfK)- <sub>4</sub> . <i>Molecular Imaging</i> , 2006, 5, 7290.2006.00022.	1.4	53
52	Hydrophobicity of Gold Nanoclusters Influences Their Interactions with Biological Barriers. <i>Chemistry of Materials</i> , 2017, 29, 7497-7506.	6.7	53
53	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.	3.8	53
54	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.	7.1	52

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55	Zwitterion functionalized gold nanoclusters for multimodal near infrared fluorescence and photoacoustic imaging. <i>APL Materials</i> , 2017, 5, .	5.1	52
56	Expression of chicken vinculin complements the adhesion-defective phenotype of a mutant mouse F9 embryonal carcinoma cell.. <i>Journal of Cell Biology</i> , 1993, 121, 909-921.	5.2	51
57	Activatable Fluorescent Probes for Tumour-Targeting Imaging in Live Mice. <i>ChemMedChem</i> , 2006, 1, 1069-1072.	3.2	51
58	Elemental and optical imaging evaluation of zwitterionic gold nanoclusters in glioblastoma mouse models. <i>Nanoscale</i> , 2018, 10, 18657-18664.	5.6	51
59	Bax-derived membrane-active peptides act as potent and direct inducers of apoptosis in cancer cells. <i>Journal of Cell Science</i> , 2011, 124, 556-564.	2.0	50
60	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.	5.1	50
61	Antitumor Activity of bax and p53 Naked Gene Transfer in Lung Cancer: In Vitro and In Vivo Analysis. <i>Human Gene Therapy</i> , 1998, 9, 2063-2074.	2.7	49
62	Amphiregulin Promotes BAX Inhibition and Resistance to Gefitinib in Non-small-cell Lung Cancers. <i>Molecular Therapy</i> , 2010, 18, 528-535.	8.2	49
63	Functionalization of Small Rigid Platforms with Cyclic RGD Peptides for Targeting Tumors Overexpressing $\alpha_5\beta_1$ -Integrins. <i>Bioconjugate Chemistry</i> , 2013, 24, 1584-1597.	3.6	49
64	The Cell Line Secretome, a Suitable Tool for Investigating Proteins Released <i>in Vivo</i> by Tumors: Application to the Study of p53-Modulated Proteins Secreted in Lung Cancer Cells. <i>Journal of Proteome Research</i> , 2009, 8, 4579-4591.	3.7	46
65	Near-infrared optical guided surgery of highly infiltrative fibrosarcomas in cats using an anti- $\alpha_5\beta_1$ integrin molecular probe. <i>Cancer Letters</i> , 2013, 334, 188-195.	7.2	45
66	The dual effect of mscs on tumour growth and tumour angiogenesis. <i>Stem Cell Research and Therapy</i> , 2013, 4, 41.	5.5	45
67	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.	3.3	45
68	Compared <i>in vivo</i> toxicity in mice of lung delivered biodegradable and non-biodegradable nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 292-302.	3.0	45
69	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.	3.3	44
70	High photoluminescence of shortwave infrared-emitting anisotropic surface charged gold nanoclusters. <i>Nanoscale</i> , 2019, 11, 12092-12096.	5.6	44
71	Non-invasive in vivo optical imaging of the lacZ and luc gene expression in mice. <i>Gene Therapy</i> , 2007, 14, 1587-1593.	4.5	43
72	Insulin-like growth factor-1 receptor inhibition overcomes gefitinib resistance in mucinous lung adenocarcinoma. <i>Journal of Pathology</i> , 2011, 225, 83-95.	4.5	43

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73	Tumor transfection after systemic injection of DNA lipid nanocapsules. <i>Biomaterials</i> , 2011, 32, 2327-2333.	11.4	43
74	The critical role of the <scp>ZNF217</scp> oncogene in promoting breast cancer metastasis to the bone. <i>Journal of Pathology</i> , 2017, 242, 73-89.	4.5	42
75	Caffeine Sensitizes Human H358 Cell Line to p53-mediated Apoptosis by Inducing Mitochondrial Translocation and Conformational Change of BAX Protein. <i>Journal of Biological Chemistry</i> , 2001, 276, 38980-38987.	3.4	40
76	The High Radiosensitizing Efficiency of a Trace of Gadolinium-Based Nanoparticles in Tumors. <i>Scientific Reports</i> , 2016, 6, 29678.	3.3	40
77	Near infrared labeling of PLGA for in vivo imaging of nanoparticles. <i>Polymer Chemistry</i> , 2012, 3, 694.	3.9	39
78	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.	1.9	39
79	Cooperation of Amphiregulin and Insulin-like Growth Factor-1 Inhibits Bax- and Bad-mediated Apoptosis via a Protein Kinase C-dependent Pathway in Non-small Cell Lung Cancer Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 19757-19767.	3.4	38
80	Targeted delivery of activatable fluorescent pro-apoptotic peptide into live cells. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 221-224.	2.8	38
81	Amphiregulin Promotes Resistance to Gefitinib in NonSmall Cell Lung Cancer Cells by Regulating Ku70 Acetylation. <i>Molecular Therapy</i> , 2010, 18, 536-543.	8.2	38
82	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.	5.9	38
83	A Novel Anti-CEACAM5 Monoclonal Antibody, CC4, Suppresses Colorectal Tumor Growth and Enhances NK Cells-Mediated Tumor Immunity. <i>PLoS ONE</i> , 2011, 6, e21146.	2.5	37
84	Synthesis and Biological Characterisation of Targeted Pro- $\alpha$ -Apoptotic Peptide. <i>ChemBioChem</i> , 2008, 9, 2326-2332.	2.6	36
85	Intercellular trafficking and enhanced in vivo antitumour activity of a non-virally delivered P27-VP22 fusion protein. <i>Gene Therapy</i> , 2003, 10, 314-325.	4.5	35
86	In Vivo Noninvasive Optical Imaging of Receptor-Mediated RGD Internalization Using Self-Quenched Cy5-Labeled RAFT-c(-RGDfK-) <sub>4</sub> . <i>Molecular Imaging</i> , 2007, 6, 7290.2007.00002.	1.4	35
87	LipImage <sup>®</sup> , 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.	2.6	35
88	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.	1.0	35
89	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.	1.8	35
90	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.	2.0	34

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91	Renal Clearable Theranostic Nanoplatforams for Gastrointestinal Stromal Tumors. <i>Advanced Materials</i> , 2020, 32, e1905899.	21.0	34
92	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.	2.0	33
93	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.	5.2	33
94	Porphyrin- or phthalocyanine-bridged silsesquioxane nanoparticles for two-photon photodynamic therapy or photoacoustic imaging. <i>Nanoscale</i> , 2017, 9, 16622-16626.	5.6	33
95	Long-term survival of immunocompetent rats with intraperitoneal colon carcinoma tumors using herpes simplex thymidine kinase/ganciclovir and IL-2 treatments. <i>Gene Therapy</i> , 1997, 4, 1160-1166.	4.5	32
96	Targeted retroviral vectors displaying a cleavage site-engineered hemagglutinin (HA) through HA-protease interactions. <i>Molecular Therapy</i> , 2006, 14, 735-744.	8.2	32
97	Surface modification of lipid nanocapsules with polysaccharides: From physicochemical characteristics to in vivo aspects. <i>Acta Biomaterialia</i> , 2013, 9, 6686-6693.	8.3	32
98	Noninvasive optical imaging of ovarian metastases using Cy5-labeled RAFT-c(-RGDfK)-4. <i>Molecular Imaging</i> , 2006, 5, 188-97.	1.4	31
99	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.	2.0	30
100	Exploration of melanoma metastases in mice brains using endogenous contrast photoacoustic imaging. <i>International Journal of Pharmaceutics</i> , 2017, 532, 704-709.	5.2	30
101	Surface functionalization of gold nanoclusters with arginine: a trade-off between microtumor uptake and radiotherapy enhancement. <i>Nanoscale</i> , 2020, 12, 6959-6963.	5.6	30
102	Fusogenic membrane glycoproteins induce syncytia formation and death in vitro and in vivo: a potential therapy agent for lung cancer. <i>Cancer Gene Therapy</i> , 2010, 17, 256-265.	4.6	29
103	Cancer optical imaging using fluorescent nanoparticles. <i>Nanomedicine</i> , 2011, 6, 7-10.	3.3	29
104	Noninvasive visualization and quantification of tumor $\alpha_5\beta_1$ integrin expression using a novel positron emission tomography probe, $^{64}\text{Cu}$ -cyclam-RAFT-c(-RGDfK)-4. <i>Nuclear Medicine and Biology</i> , 2011, 38, 529-540.	0.6	29
105	Unambiguous and Controlled One-Pot Synthesis of Multifunctional Silica Nanoparticles. <i>Chemistry of Materials</i> , 2016, 28, 885-889.	6.7	29
106	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.	3.3	29
107	Application of click-click chemistry to the synthesis of new multivalent RGD conjugates. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5133.	2.8	28
108	LIM Kinase Inhibitor Pyr1 Reduces the Growth and Metastatic Load of Breast Cancers. <i>Cancer Research</i> , 2016, 76, 3541-3552.	0.9	28



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109	In vitro targeting and specific transfection of human neuroblastoma cells by chCE7 antibody-mediated gene transfer. <i>Gene Therapy</i> , 1997, 4, 156-161.	4.5	27
110	Targeted delivery of a proapoptotic peptide to tumors <i>in vivo</i> . <i>Journal of Drug Targeting</i> , 2011, 19, 582-588.	4.4	27
111	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.	7.2	27
112	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.	1.6	27
113	Aza-BODIPY: A New Vector for Enhanced Theranostic Boron Neutron Capture Therapy Applications. <i>Cells</i> , 2020, 9, 1953.	4.1	27
114	Identification of <i>Escherichia coli</i> genes whose expression increases as a function of external pH. <i>Molecular Genetics and Genomics</i> , 1991, 229, 197-205.	2.4	26
115	A Recombinant Fungal Lectin for Labeling Truncated Glycans on Human Cancer Cells. <i>PLoS ONE</i> , 2015, 10, e0128190.	2.5	25
116	Effect of Multimerization of a Linear Arg-Gly-Asp Peptide on Integrin Binding Affinity and Specificity. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 370-378.	1.4	24
117	Iron Dysregulation in Human Cancer: Altered Metabolism, Biomarkers for Diagnosis, Prognosis, Monitoring and Rationale for Therapy. <i>Cancers</i> , 2020, 12, 3524.	3.7	24
118	Inhibition of Apoptosis by Amphiregulin via an Insulin-like Growth Factor-1 Receptor-Dependent Pathway in Non-Small Cell Lung Cancer Cell Lines. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 354-357.	3.8	23
119	Multifunctional nanoparticles: from the detection of biomolecules to the therapy. <i>International Journal of Nanotechnology</i> , 2010, 7, 781.	0.2	23
120	FuoSTIC: miniaturized fluorescence image-guided surgery system. <i>Journal of Biomedical Optics</i> , 2012, 17, 106014.	2.6	23
121	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.	5.5	23
122	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.	6.4	21
123	Distribution and Radiosensitizing Effect of Cholesterol-Coupled Dbait Molecule in Rat Model of Glioblastoma. <i>PLoS ONE</i> , 2012, 7, e40567.	2.5	21
124	Clinical relevance of TRKA expression on neuroblastoma: comparison with N-MYC amplification and CD44 expression. <i>British Journal of Cancer</i> , 1997, 75, 1151-1155.	6.4	20
125	Drug development in oncology assisted by noninvasive optical imaging. <i>International Journal of Pharmaceutics</i> , 2009, 379, 309-316.	5.2	20
126	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.	7.2	20



127	Cell cycle arrest is sufficient for p53-mediated tumor regression. <i>Gene Therapy</i> , 2001, 8, 1705-1712.	4.5	19
128	VP22-mediated and light-activated delivery of an anti-c-raf1 antisense oligonucleotide improves its activity after intratumoral injection in nude mice. <i>Molecular Therapy</i> , 2003, 8, 840-845.	8.2	18
129	Inhibition of cardiac leptin expression after infarction reduces subsequent dysfunction. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1688-1694.	3.6	18
130	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.	8.2	18
131	In vivo noninvasive optical imaging of receptor-mediated RGD internalization using self-quenched Cy5-labeled RAFT-c(-RGDfK-)(4). <i>Molecular Imaging</i> , 2007, 6, 43-55.	1.4	18
132	Reduction of renal uptake of <sup>111</sup> In-labeled DOTA-labeled and <sup>700</sup> Å-labeled RAFT- <sup>64</sup> Cu-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.	3.9	17
133	<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.	2.8	17
134	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.	4.4	17
135	Photodynamic Diagnosis and Therapy for Peritoneal Carcinomatosis: Emerging Perspectives. <i>Cancers</i> , 2020, 12, 2491.	3.7	17
136	Whole body small animal examination with a diffuse optical tomography instrument. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 571, 56-59.	1.6	16
137	Identification of pyrrolopyrimidine derivative PP-13 as a novel microtubule-destabilizing agent with promising anticancer properties. <i>Scientific Reports</i> , 2017, 7, 10209.	3.3	16
138	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.	6.4	16
139	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.	5.4	16
140	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.	4.3	15
141	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.	2.6	15
142	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.	3.1	15
143	Stapled peptide targeting the CDK4/Cyclin D interface combined with Abemaciclib inhibits KRAS mutant lung cancer growth. <i>Theranostics</i> , 2020, 10, 2008-2028.	10.0	15

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145	The increasing role of amphiregulin in non-small cell lung cancer. <i>Pathologie Et Biologie</i> , 2009, 57, 511-512.	2.2	14
146	Fluorescence diffuse optical tomography for free-space and multifluorophore studies. <i>Journal of Biomedical Optics</i> , 2010, 15, 016016.	2.6	14
147	Lifelong reporter gene imaging in the lungs of mice following polyethyleneimine-mediated sleeping-beauty transposon delivery. <i>Biomaterials</i> , 2011, 32, 1978-1985.	11.4	14
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