

Federico Boschi

List of Publications by Citations

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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

1,721

citations

22

h-index

37

g-index

93

ext. papers

2,063

ext. citations

4.7

avg, IF

4.76

L-index

#	Paper	IF	Citations
88	Cerenkov radiation allows in vivo optical imaging of positron emitting radiotracers. <i>Physics in Medicine and Biology</i> , 2010 , 55, 483-95	3.8	142
87	First human Cerenkography. <i>Journal of Biomedical Optics</i> , 2013 , 18, 20502	3.5	117
86	Exosome derived from murine adipose-derived stromal cells: Neuroprotective effect on in vitro model of amyotrophic lateral sclerosis. <i>Experimental Cell Research</i> , 2016 , 340, 150-8	4.2	93
85	Multispectral Cerenkov luminescence tomography for small animal optical imaging. <i>Optics Express</i> , 2011 , 19, 12605-18	3.3	79
84	A novel near-infrared indocyanine dye-polyethylenimine conjugate allows DNA delivery imaging in vivo. <i>Bioconjugate Chemistry</i> , 2008 , 19, 983-7	6.3	74
83	In vivo ^{18}F -FDG tumour uptake measurements in small animals using Cerenkov radiation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011 , 38, 120-7	8.8	73
82	Novel biomedical applications of Cerenkov radiation and radioluminescence imaging. <i>Physica Medica</i> , 2015 , 31, 120-9	2.7	50
81	Multicolor core/shell silica nanoparticles for in vivo and ex vivo imaging. <i>Nanoscale</i> , 2012 , 4, 824-30	7.7	49
80	An FGFR3 Autocrine Loop Sustains Acquired Resistance to Trastuzumab in Gastric Cancer Patients. <i>Clinical Cancer Research</i> , 2016 , 22, 6164-6175	12.9	48
79	Cathepsin K null mice show reduced adiposity during the rapid accumulation of fat stores. <i>PLoS ONE</i> , 2007 , 2, e683	3.7	44
78	Taste performance in Parkinson's disease. <i>Journal of Neural Transmission</i> , 2014 , 121, 119-22	4.3	38
77	Luminescence of Eu^{3+} Activated CaF_2 and SrF_2 Nanoparticles: Effect of the Particle Size and Codoping with Alkaline Ions. <i>Crystal Growth and Design</i> , 2018 , 18, 686-694	3.5	37
76	Pancreatic ductal adenocarcinoma cell lines display a plastic ability to bi-directionally convert into cancer stem cells. <i>International Journal of Oncology</i> , 2015 , 46, 1099-108	4.4	35
75	The 1966-1967 Outburst of V1647 Orionis and the Appearance of McNeil's Nebula. <i>Astronomical Journal</i> , 2006 , 132, 1298-1306	4.9	32
74	Taste in Parkinson's disease. <i>Journal of Neurology</i> , 2015 , 262, 806-13	5.5	30
73	Combined optical and single photon emission imaging: preliminary results. <i>Physics in Medicine and Biology</i> , 2009 , 54, L57-62	3.8	30
72	Mild ozonisation activates antioxidant cell response by the Keap1/Nrf2 dependent pathway. <i>Free Radical Biology and Medicine</i> , 2018 , 124, 114-121	7.8	29

71	Optical imaging of Tc-99m-based tracers: in vitro and in vivo results. <i>Journal of Biomedical Optics</i> , 2011 , 16, 116023	3.5	28
70	Combined inhibition of IL1, CXCR1/2, and TGF β signaling pathways modulates in-vivo resistance to anti-VEGF treatment. <i>Anti-Cancer Drugs</i> , 2016 , 27, 29-40	2.4	25
69	Hyaluronated mesoporous silica nanoparticles for active targeting: influence of conjugation method and hyaluronic acid molecular weight on the nanovector properties. <i>Journal of Colloid and Interface Science</i> , 2018 , 516, 484-497	9.3	23
68	Multifunctional nanoprobe based on upconverting lanthanide doped CaF ₂ : towards biocompatible materials for biomedical imaging. <i>Biomaterials Science</i> , 2014 , 2, 1158-1171	7.4	23
67	Optimizing in vivo small animal Cerenkov luminescence imaging. <i>Journal of Biomedical Optics</i> , 2012 , 17, 040506	3.5	23
66	Cerenkov and radioluminescence imaging of brain tumor specimens during neurosurgery. <i>Journal of Biomedical Optics</i> , 2016 , 21, 50502	3.5	22
65	Epithelial and mesenchymal tumor compartments exhibit in vivo complementary patterns of vascular perfusion and glucose metabolism. <i>Neoplasia</i> , 2007 , 9, 900-8	6.4	22
64	Modulating TAK1 Expression Inhibits YAP and TAZ Oncogenic Functions in Pancreatic Cancer. <i>Molecular Cancer Therapeutics</i> , 2020 , 19, 247-257	6.1	22
63	Cherenkov radiation imaging of beta emitters: in vitro and in vivo results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 648, S310-S312	1.2	21
62	Optical imaging of alpha emitters: simulations, phantom, and in vivo results. <i>Journal of Biomedical Optics</i> , 2011 , 16, 126011	3.5	21
61	Feasibility of Telomerase-Specific Adoptive T-cell Therapy for B-cell Chronic Lymphocytic Leukemia and Solid Malignancies. <i>Cancer Research</i> , 2016 , 76, 2540-51	10.1	21
60	Inhibition of <i>Pseudomonas aeruginosa</i> secreted virulence factors reduces lung inflammation in CF mice. <i>Virulence</i> , 2018 , 9, 1008-1018	4.7	21
59	A cross-cultural survey of umami familiarity in European countries. <i>Food Quality and Preference</i> , 2019 , 74, 172-178	5.8	20
58	Nanoformulations for dimethyl fumarate: Physicochemical characterization and in vitro/in vivo behavior. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 115, 285-296	5.7	19
57	Overview of the optical properties of fluorescent nanoparticles for optical imaging. <i>European Journal of Histochemistry</i> , 2017 , 61, 2830	2.1	19
56	Quantum dots excitation using pure beta minus radioisotopes emitting Cerenkov radiation. <i>RSC Advances</i> , 2012 , 2, 11049	3.7	19
55	Small-animal radionuclide luminescence imaging of thyroid and salivary glands with Tc99m-pertechnetate. <i>Journal of Biomedical Optics</i> , 2013 , 18, 76005	3.5	19
54	Glucose transporter expression in the human colon. <i>World Journal of Gastroenterology</i> , 2018 , 24, 775-793.6	3.6	18

53	Models of lipid droplets growth and fission in adipocyte cells. <i>Experimental Cell Research</i> , 2015 , 336, 253-262	17
52	Disabled Homolog 2 Controls Prometastatic Activity of Tumor-Associated Macrophages. <i>Cancer Discovery</i> , 2020 , 10, 1758-1773	24.4 17
51	Tumor microvasculature observed using different contrast agents: a comparison between Gd-DTPA-Albumin and B-22956/1 in an experimental model of mammary carcinoma. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008 , 21, 169-76	2.8 15
50	In vivo monitoring of lung inflammation in CFTR-deficient mice. <i>Journal of Translational Medicine</i> , 2016 , 14, 226	8.5 14
49	Innovative approach to safely induce controlled lipolysis by superparamagnetic iron oxide nanoparticles-mediated hyperthermic treatment. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 93, 62-73	5.6 13
48	Metabolic effect of bodyweight whole-body vibration in a 20-min exercise session: A crossover study using verified vibration stimulus. <i>PLoS ONE</i> , 2018 , 13, e0192046	3.7 13
47	Effective control of acute myeloid leukaemia and acute lymphoblastic leukaemia progression by telomerase specific adoptive T-cell therapy. <i>Oncotarget</i> , 2017 , 8, 86987-87001	3.3 13
46	Cerenkov Luminescence Imaging at a Glance. <i>Current Molecular Imaging</i> , 2015 , 3, 106-117	13
45	Uptake and intracellular fate of biocompatible nanocarriers in cycling and noncycling cells. <i>Nanomedicine</i> , 2019 , 14, 301-316	5.6 12
44	Lipid droplets fusion in adipocyte differentiated 3T3-L1 cells: a Monte Carlo simulation. <i>Experimental Cell Research</i> , 2014 , 321, 201-8	4.2 12
43	Unified approach for bioluminescence, Cerenkov, μ X and μ rays imaging. <i>Biomedical Optics Express</i> , 2015 , 6, 2168-80	3.5 12
42	Preclinical Imaging for Fat Tissue Identification, Quantification, and Functional Characterization. <i>Frontiers in Pharmacology</i> , 2016 , 7, 336	5.6 11
41	Low ozone concentrations promote adipogenesis in human adipose-derived adult stem cells. <i>European Journal of Histochemistry</i> , 2018 , 62,	2.1 11
40	Unsupervised analysis of small animal dynamic Cerenkov luminescence imaging. <i>Journal of Biomedical Optics</i> , 2011 , 16, 120506	3.5 9
39	T-cell tracking using Cerenkov and radioluminescence imaging. <i>Journal of Biophotonics</i> , 2018 , 11, e201800093	9 9
38	Effect of physical exercise and anabolic steroid treatment on spinal motoneurons and surrounding glia of wild-type and ALS mice. <i>Brain Research</i> , 2017 , 1657, 269-278	3.7 8
37	Imaging of luminescence induced by beta and gamma emitters in conventional non-scintillating materials. <i>RSC Advances</i> , 2014 , 4, 13687-13692	3.7 8
36	Tandem Dye-Doped Nanoparticles for NIR Imaging via Cerenkov Resonance Energy Transfer. <i>Frontiers in Chemistry</i> , 2020 , 8, 71	5 7

35	A Correlative Imaging Study of in vivo and ex vivo Biodistribution of Solid Lipid Nanoparticles. <i>International Journal of Nanomedicine</i> , 2020 , 15, 1745-1758	7.3	7
34	Photodynamic Therapy Using Cerenkov and Radioluminescence Light. <i>Frontiers in Physics</i> , 2021 , 9,	3.9	7
33	Comparison of the Effects of Browning-Inducing Capsaicin on Two Murine Adipocyte Models. <i>Frontiers in Physiology</i> , 2019 , 10, 1380	4.6	7
32	Design of a multimodal fibers optic system for small animal optical imaging. <i>Physica Medica</i> , 2015 , 31, 108-11	2.7	6
31	Theranostic Role of P-ATP as Radiopharmaceutical for the Induction of Massive Cell Death within Avascular Tumor Core. <i>Theranostics</i> , 2017 , 7, 4399-4409	12.1	6
30	Human Cerenkov imaging using 18F-FDG. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 523	8.9	6
29	Secretory response induced by essential oils on airway surface fluid: a pharmacological MRI study. <i>Journal of Ethnopharmacology</i> , 2009 , 124, 630-4	5	6
28	Drug targeting of airway surface liquid: a pharmacological MRI approach. <i>Biomedicine and Pharmacotherapy</i> , 2008 , 62, 410-9	7.5	6
27	Ozone Treatment of Grapes During Withering for Amarone Wine: A Multimodal Imaging and Spectroscopic Analysis. <i>Microscopy and Microanalysis</i> , 2018 , 24, 564-573	0.5	6
26	Quantum dots labelling allows detection of the homing of mesenchymal stem cells administered as immunomodulatory therapy in an experimental model of pancreatic islets transplantation. <i>Journal of Anatomy</i> , 2017 , 230, 381-388	2.9	5
25	Nanoparticles for Cerenkov and Radioluminescent Light Enhancement for Imaging and Radiotherapy. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
24	Dynamic of lipid droplets and gene expression in response to β -aminoisobutyric acid treatment on 3T3-L1 cells. <i>European Journal of Histochemistry</i> , 2018 , 62,	2.1	5
23	Weak biophoton emission after laser surgery application in soft tissues: Analysis of the optical features. <i>Journal of Biophotonics</i> , 2019 , 12, e201800260	3.1	4
22	An IL-8 Transiently Transgenized Mouse Model for the In Vivo Long-term Monitoring of Inflammatory Responses. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
21	Bremsstrahlung radiation detection for small animal imaging using a CCD detector. <i>Physica Medica</i> , 2016 , 32, 706-8	2.7	4
20	High activity and low toxicity of a novel CD71-targeting nanotherapeutic named The-0504 on preclinical models of several human aggressive tumors. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 63	12.8	4
19	Relationship between lipid droplets size and integrated optical density. <i>European Journal of Histochemistry</i> , 2019 , 63,	2.1	3
18	Pancreatic cancer growth using magnetic resonance and bioluminescence imaging. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 592-9	3.3	3

17	Proton magnetic resonance spectroscopy: ex vivo study to investigate its prognostic role in colorectal cancer. <i>Biomedicine and Pharmacotherapy</i> , 2013 , 67, 593-7	7.5	3
16	Interrupting the nitrosative stress fuels tumor-specific cytotoxic T lymphocytes in pancreatic cancer. 2022 , 10,		3
15	Weak light emission of soft tissues induced by heating. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-5	3.5	3
14	Optical emission of Radium: in vitro and in vivo preclinical applications. <i>Journal of Biophotonics</i> , 2018 , 11, e201700209	3.1	2
13	Simulating the dynamics of lipid droplets in adipocyte differentiation. <i>Computer Methods and Programs in Biomedicine</i> , 2017 , 138, 65-71	6.9	2
12	Innovation in Contrast Agents for Magnetic Resonance Imaging. <i>Current Medical Imaging</i> , 2006 , 2, 291-298		2
11	Monte Carlo simulations support non-Cerenkov radioluminescence production in tissue. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-11	3.5	2
10	Immunolocalization of leptin and leptin receptor in colorectal mucosa of ulcerative colitis, Crohn's disease and control subjects with no inflammatory bowel disease. <i>Cell and Tissue Research</i> , 2021 , 383, 1103-1122	4.2	2
9	Photon emission and changes in fluorescent properties of bone after laser irradiation. <i>Journal of Biophotonics</i> , 2021 , 14, e202000445	3.1	2
8	Radioluminescence from Tc-99m in glass predicts local dose. <i>Physica Medica</i> , 2017 , 42, 112-115	2.7	1
7	Development of a simulation environment for Cerenkov luminescence imaging 2013 ,		1
6	Small animal irradiator dose distribution verification using radioluminescence imaging. <i>Journal of Biophotonics</i> , 2020 , 13, e201960217	3.1	0
5	The transcriptional profile of adipose-derived stromal cells (ASC) mirrors the whitening of adipose tissue with age.. <i>European Journal of Cell Biology</i> , 2022 , 101, 151206	6.1	0
4	Hedonicity in functional motor disorders: a chemosensory study assessing taste. <i>Journal of Neural Transmission</i> , 2020 , 127, 1399-1407	4.3	0
3	A computational approach to quantitatively define sarcomere dimensions and arrangement in skeletal muscle. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 211, 106437	6.9	0
2	Biocompatible, photo-responsive layer-by-layer polymer nanocapsules with an oil core: and study.. <i>Journal of the Royal Society Interface</i> , 2022 , 19, 20210800	4.1	0
1	Evidence of glucose absorption in a neoformed intestine.. <i>Updates in Surgery</i> , 2022 , 1	2.9	