Federico Boschi

List of Publications by Year in Descending Order

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	Interrupting the nitrosative stress fuels tumor-specific cytotoxic T lymphocytes in pancreatic cancer. **2022**, 10,		3
87	Evidence of glucose absorption in a neoformed intestine.. *Updates in Surgery*, **2022**, 1	2.9	
86	The transcriptional profile of adipose-derived stromal cells (ASC) mirrors the whitening of adipose tissue with age.. *European Journal of Cell Biology*, **2022**, 101, 151206	6.1	0
85	Biocompatible, photo-responsive layer-by-layer polymer nanocapsules with an oil core: and study.. *Journal of the Royal Society Interface*, **2022**, 19, 20210800	4.1	0
84	Photodynamic Therapy Using Cerenkov and Radioluminescence Light. *Frontiers in Physics*, **2021**, 9,	3.9	7
83	Immunolocalization of leptin and leptin receptor in colorectal mucosa of ulcerative colitis, Crohn's disease and control subjects with no inflammatory bowel disease. *Cell and Tissue Research*, **2021**, 383, 1103-1122	4.2	2
82	High activity and low toxicity of a novel CD71-targeting nanotherapeutic named The-0504 on preclinical models of several human aggressive tumors. *Journal of Experimental and Clinical Cancer Research*, **2021**, 40, 63	12.8	4
81	Photon emission and changes in fluorescent properties of bone after laser irradiation. *Journal of Biophotonics*, **2021**, 14, e202000445	3.1	2
80	A computational approach to quantitatively define sarcomere dimensions and arrangement in skeletal muscle. *Computer Methods and Programs in Biomedicine*, **2021**, 211, 106437	6.9	0
79	Tandem Dye-Doped Nanoparticles for NIR Imaging via Cerenkov Resonance Energy Transfer. *Frontiers in Chemistry*, **2020**, 8, 71	5	7
78	Small animal irradiator dose distribution verification using radioluminescence imaging. *Journal of Biophotonics*, **2020**, 13, e201960217	3.1	0
77	A Correlative Imaging Study of in vivo and ex vivo Biodistribution of Solid Lipid Nanoparticles. *International Journal of Nanomedicine*, **2020**, 15, 1745-1758	7.3	7
76	Modulating TAK1 Expression Inhibits YAP and TAZ Oncogenic Functions in Pancreatic Cancer. *Molecular Cancer Therapeutics*, **2020**, 19, 247-257	6.1	22
75	Disabled Homolog 2 Controls Prometastatic Activity of Tumor-Associated Macrophages. *Cancer Discovery*, **2020**, 10, 1758-1773	24.4	17
74	Nanoparticles for Cerenkov and Radioluminescent Light Enhancement for Imaging and Radiotherapy. *Nanomaterials*, **2020**, 10,	5.4	5
73	Hedonicity in functional motor disorders: a chemosensory study assessing taste. *Journal of Neural Transmission*, **2020**, 127, 1399-1407	4.3	0
72	Uptake and intracellular fate of biocompatible nanocarriers in cycling and noncycling cells. *Nanomedicine*, **2019**, 14, 301-316	5.6	12

71	A cross-cultural survey of umami familiarity in European countries. *Food Quality and Preference*, **2019**, 74, 172-178	5.8	20
70	Weak biophoton emission after laser surgery application in soft tissues: Analysis of the optical features. *Journal of Biophotonics*, **2019**, 12, e201800260	3.1	4
69	Relationship between lipid droplets size and integrated optical density. *European Journal of Histochemistry*, **2019**, 63,	2.1	3
68	Comparison of the Effects of Browning-Inducing Capsaicin on Two Murine Adipocyte Models. *Frontiers in Physiology*, **2019**, 10, 1380	4.6	7
67	Hyaluronated mesoporous silica nanoparticles for active targeting: influence of conjugation method and hyaluronic acid molecular weight on the nanovector properties. *Journal of Colloid and Interface Science*, **2018**, 516, 484-497	9.3	23
66	Luminescence of Eu3+ Activated CaF2 and SrF2 Nanoparticles: Effect of the Particle Size and Codoping with Alkaline Ions. *Crystal Growth and Design*, **2018**, 18, 686-694	3.5	37
65	Optical emission of Radium: in vitro and in vivo preclinical applications. *Journal of Biophotonics*, **2018**, 11, e201700209	3.1	2
64	Mild ozonisation activates antioxidant cell response by the Keap1/Nrf2 dependent pathway. *Free Radical Biology and Medicine*, **2018**, 124, 114-121	7.8	29
63	Metabolic effect of bodyweight whole-body vibration in a 20-min exercise session: A crossover study using verified vibration stimulus. *PLoS ONE*, **2018**, 13, e0192046	3.7	13
62	Weak light emission of soft tissues induced by heating. *Journal of Biomedical Optics*, **2018**, 23, 1-5	3.5	3
61	Dynamic of lipid droplets and gene expression in response to □aminoisobutyric acid treatment on 3T3-L1 cells. *European Journal of Histochemistry*, **2018**, 62,	2.1	5
60	Glucose transporter expression in the human colon. *World Journal of Gastroenterology*, **2018**, 24, 775-793	3.6	18
59	Ozone Treatment of Grapes During Withering for Amarone Wine: A Multimodal Imaging and Spectroscopic Analysis. *Microscopy and Microanalysis*, **2018**, 24, 564-573	0.5	6
58	Low ozone concentrations promote adipogenesis in human adipose-derived adult stem cells. *European Journal of Histochemistry*, **2018**, 62,	2.1	11
57	T-cell tracking using Cerenkov and radioluminescence imaging. *Journal of Biophotonics*, **2018**, 11, e201800093	3.1	9
56	Inhibition of Pseudomonas aeruginosa secreted virulence factors reduces lung inflammation in CF mice. *Virulence*, **2018**, 9, 1008-1018	4.7	21
55	Nanoformulations for dimethyl fumarate: Physicochemical characterization and in vitro/in vivo behavior. *European Journal of Pharmaceutics and Biopharmaceutics*, **2017**, 115, 285-296	5.7	19
54	Effect of physical exercise and anabolic steroid treatment on spinal motoneurons and surrounding glia of wild-type and ALS mice. *Brain Research*, **2017**, 1657, 269-278	3.7	8

53	Innovative approach to safely induce controlled lipolysis by superparamagnetic iron oxide nanoparticles-mediated hyperthermic treatment. *International Journal of Biochemistry and Cell Biology*, **2017**, 93, 62-73	5.6	13
52	Radioluminescence from Tc-99m in glass predicts local dose. *Physica Medica*, **2017**, 42, 112-115	2.7	1
51	Overview of the optical properties of fluorescent nanoparticles for optical imaging. *European Journal of Histochemistry*, **2017**, 61, 2830	2.1	19
50	Theranostic Role of P-ATP as Radiopharmaceutical for the Induction of Massive Cell Death within Avascular Tumor Core. *Theranostics*, **2017**, 7, 4399-4409	12.1	6
49	An IL-8 Transiently Transgenized Mouse Model for the In Vivo Long-term Monitoring of Inflammatory Responses. *Journal of Visualized Experiments*, **2017**,	1.6	4
48	Quantum dots labelling allows detection of the homing of mesenchymal stem cells administered as immunomodulatory therapy in an experimental model of pancreatic islets transplantation. *Journal of Anatomy*, **2017**, 230, 381-388	2.9	5
47	Simulating the dynamics of lipid droplets in adipocyte differentiation. *Computer Methods and Programs in Biomedicine*, **2017**, 138, 65-71	6.9	2
46	Monte Carlo simulations support non-Cerenkov radioluminescence production in tissue. *Journal of Biomedical Optics*, **2017**, 22, 1-11	3.5	2
45	Effective control of acute myeloid leukaemia and acute lymphoblastic leukaemia progression by telomerase specific adoptive T-cell therapy. *Oncotarget*, **2017**, 8, 86987-87001	3.3	13
44	An FGFR3 Autocrine Loop Sustains Acquired Resistance to Trastuzumab in Gastric Cancer Patients. *Clinical Cancer Research*, **2016**, 22, 6164-6175	12.9	48
43	Cerenkov and radioluminescence imaging of brain tumor specimens during neurosurgery. *Journal of Biomedical Optics*, **2016**, 21, 50502	3.5	22
42	Exosome derived from murine adipose-derived stromal cells: Neuroprotective effect on in vitro model of amyotrophic lateral sclerosis. *Experimental Cell Research*, **2016**, 340, 150-8	4.2	93
41	In vivo monitoring of lung inflammation in CFTR-deficient mice. *Journal of Translational Medicine*, **2016**, 14, 226	8.5	14
40	Preclinical Imaging for Fat Tissue Identification, Quantification, and Functional Characterization. *Frontiers in Pharmacology*, **2016**, 7, 336	5.6	11
39	Combined inhibition of IL1, CXCR1/2, and TGF signaling pathways modulates in-vivo resistance to anti-VEGF treatment. *Anti-Cancer Drugs*, **2016**, 27, 29-40	2.4	25
38	Feasibility of Telomerase-Specific Adoptive T-cell Therapy for B-cell Chronic Lymphocytic Leukemia and Solid Malignancies. *Cancer Research*, **2016**, 76, 2540-51	10.1	21
37	Bremsstrahlung radiation detection for small animal imaging using a CCD detector. *Physica Medica*, **2016**, 32, 706-8	2.7	4
36	Novel biomedical applications of Cerenkov radiation and radioluminescence imaging. *Physica Medica*, **2015**, 31, 120-9	2.7	50

35	Pancreatic cancer growth using magnetic resonance and bioluminescence imaging. *Magnetic Resonance Imaging*, **2015**, 33, 592-9	3.3	3
34	Models of lipid droplets growth and fission in adipocyte cells. *Experimental Cell Research*, **2015**, 336, 253-62	4	17
33	Design of a multimodal fibers optic system for small animal optical imaging. *Physica Medica*, **2015**, 31, 108-11	2.7	6
32	Taste in Parkinson's disease. *Journal of Neurology*, **2015**, 262, 806-13	5.5	30
31	Unified approach for bioluminescence, Cerenkov, X and rays imaging. *Biomedical Optics Express*, **2015**, 6, 2168-80	3.5	12
30	Pancreatic ductal adenocarcinoma cell lines display a plastic ability to bi-directionally convert into cancer stem cells. *International Journal of Oncology*, **2015**, 46, 1099-108	4.4	35
29	Cerenkov Luminescence Imaging at a Glance. *Current Molecular Imaging*, **2015**, 3, 106-117		13
28	Taste performance in Parkinson disease. *Journal of Neural Transmission*, **2014**, 121, 119-22	4.3	38
27	Multifunctional nanoprobes based on upconverting lanthanide doped CaF: towards biocompatible materials for biomedical imaging. *Biomaterials Science*, **2014**, 2, 1158-1171	7.4	23
26	Imaging of luminescence induced by beta and gamma emitters in conventional non-scintillating materials. *RSC Advances*, **2014**, 4, 13687-13692	3.7	8
25	Human Cerenkov imaging using 18F-FDG. *Journal of Nuclear Medicine*, **2014**, 55, 523	8.9	6
24	Lipid droplets fusion in adipocyte differentiated 3T3-L1 cells: a Monte Carlo simulation. *Experimental Cell Research*, **2014**, 321, 201-8	4.2	12
23	Proton magnetic resonance spectroscopy: ex vivo study to investigate its prognostic role in colorectal cancer. *Biomedicine and Pharmacotherapy*, **2013**, 67, 593-7	7.5	3
22	Small-animal radionuclide luminescence imaging of thyroid and salivary glands with Tc99m-pertechnetate. *Journal of Biomedical Optics*, **2013**, 18, 76005	3.5	19
21	Development of a simulation environment for Cerenkov luminescence imaging **2013**,		1
20	First human Cerenkography. *Journal of Biomedical Optics*, **2013**, 18, 20502	3.5	117
19	Quantum dots excitation using pure beta minus radioisotopes emitting Cerenkov radiation. *RSC Advances*, **2012**, 2, 11049	3.7	19
18	Multicolor core/shell silica nanoparticles for in vivo and ex vivo imaging. *Nanoscale*, **2012**, 4, 824-30	7.7	49

17	Optimizing in vivo small animal Cerenkov luminescence imaging. *Journal of Biomedical Optics*, **2012**, 17, 040506	3.5	23
16	Optical imaging of Tc-99m-based tracers: in vitro and in vivo results. *Journal of Biomedical Optics*, **2011**, 16, 116023	3.5	28
15	Multispectral Cerenkov luminescence tomography for small animal optical imaging. *Optics Express*, **2011**, 19, 12605-18	3.3	79
14	Cherenkov radiation imaging of beta emitters: in vitro and in vivo results. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2011**, 648, S310-S312	1.2	21
13	In vivo □E-FDG tumour uptake measurements in small animals using Cerenkov radiation. *European Journal of Nuclear Medicine and Molecular Imaging*, **2011**, 38, 120-7	8.8	73
12	Optical imaging of alpha emitters: simulations, phantom, and in vivo results. *Journal of Biomedical Optics*, **2011**, 16, 126011	3.5	21
11	Unsupervised analysis of small animal dynamic Cerenkov luminescence imaging. *Journal of Biomedical Optics*, **2011**, 16, 120506	3.5	9
10	Cerenkov radiation allows in vivo optical imaging of positron emitting radiotracers. *Physics in Medicine and Biology*, **2010**, 55, 483-95	3.8	142
9	Secretory response induced by essential oils on airway surface fluid: a pharmacological MRI study. *Journal of Ethnopharmacology*, **2009**, 124, 630-4	5	6
8	Combined optical and single photon emission imaging: preliminary results. *Physics in Medicine and Biology*, **2009**, 54, L57-62	3.8	30
7	A novel near-infrared indocyanine dye-polyethylenimine conjugate allows DNA delivery imaging in vivo. *Bioconjugate Chemistry*, **2008**, 19, 983-7	6.3	74
6	Drug targeting of airway surface liquid: a pharmacological MRI approach. *Biomedicine and Pharmacotherapy*, **2008**, 62, 410-9	7.5	6
5	Tumor microvasculature observed using different contrast agents: a comparison between Gd-DTPA-Albumin and B-22956/1 in an experimental model of mammary carcinoma. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2008**, 21, 169-76	2.8	15
4	Epithelial and mesenchymal tumor compartments exhibit in vivo complementary patterns of vascular perfusion and glucose metabolism. *Neoplasia*, **2007**, 9, 900-8	6.4	22
3	Cathepsin K null mice show reduced adiposity during the rapid accumulation of fat stores. *PLoS ONE*, **2007**, 2, e683	3.7	44
2	Innovation in Contrast Agents for Magnetic Resonance Imaging. *Current Medical Imaging*, **2006**, 2, 291-298	1.2	2
1	The 1966-1967 Outburst of V1647 Orionis and the Appearance of McNeil's Nebula. *Astronomical Journal*, **2006**, 132, 1298-1306	4.9	32