

Olivier Seksek

List of Publications by Year in descending order

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46
papers

2,350
citations

516710

16
h-index

302126

39
g-index

48
all docs

48
docs citations

48
times ranked

3364
citing authors

#	ARTICLE	IF	CITATIONS
1	OC-0095 Neon minibeam radiotherapy (Ne MBRT): investigating biological mechanisms with synchrotron light. <i>Radiotherapy and Oncology</i> , 2022, 170, S70-S71.	0.6	0
2	A Potential Renewed Use of Very Heavy Ions for Therapy: Neon Minibeam Radiation Therapy. <i>Cancers</i> , 2021, 13, 1356.	3.7	9
3	Modelling In Vitro Aggregation of Cancer Cells. <i>Biophysical Journal</i> , 2020, 118, 459a.	0.5	1
4	Study of the intracellular nanoparticle-based radiosensitization mechanisms in F98 glioma cells treated with charged particle therapy through synchrotron-based infrared microspectroscopy. <i>Analyst, The</i> , 2020, 145, 2345-2356.	3.5	9
5	Synchrotron-Based Infrared Microscopy Studies of the Radiosensitization Effects of Nanoparticles used in Radiotherapy. <i>Biophysical Journal</i> , 2020, 118, 471a.	0.5	0
6	A Fluorescent Nanoprobe to Detect Local Temperature Changes During Antitumoral Hyperthermia Therapy. <i>Biophysical Journal</i> , 2020, 118, 477a.	0.5	3
7	Experimental and modeling study of the formation of cell aggregates with differential substrate adhesion. <i>PLoS ONE</i> , 2020, 15, e0222371.	2.5	8
8	Synchrotron-based infrared microspectroscopy study on the radiosensitization effects of Gd nanoparticles at megavoltage radiation energies. <i>Analyst, The</i> , 2019, 144, 5511-5520.	3.5	7
9	Raman tweezers microspectroscopy of <i>circa</i> 100 nm extracellular vesicles. <i>Nanoscale</i> , 2019, 11, 1661-1679.	5.6	72
10	A synchrotron-based infrared microspectroscopy study on the cellular response induced by gold nanoparticles combined with X-ray irradiations on F98 and U87-MG glioma cell lines. <i>Analyst, The</i> , 2019, 144, 6352-6364.	3.5	6
11	Assessment of the ability of poly(L-lysine)-poly(ethylene glycol) (PLL-PEG) hydrogels to support the growth of U87-MG and F98 glioma tumor cells. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46287.	2.6	9
12	Biocompatible Coated Magnetosome Minerals for Application in the Magnetic Hyperthermia Treatment of Tumors. <i>Biophysical Journal</i> , 2018, 114, 361a.	0.5	0
13	A Fluorescent Nanoprobe for the Detection of in Situ Temperature Changes during Hyperthermia Treatment of Tumors. <i>Biophysical Journal</i> , 2018, 114, 361a.	0.5	1
14	Fluorescent magnetosomes for controlled and repetitive drug release under the application of an alternating magnetic field under conditions of limited temperature increase (± 2.5 Å°C). <i>Nanoscale</i> , 2018, 10, 10918-10933.	5.6	24
15	Nanoprobe Synthesized by Magnetotactic Bacteria, Detecting Fluorescence Variations under Dissociation of Rhodamine B from Magnetosomes following Temperature, pH Changes, or the Application of Radiation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36561-36572.	8.0	15
16	Biocompatible coated magnetosome minerals with various organization and cellular interaction properties induce cytotoxicity towards RG-2 and GL-261 glioma cells in the presence of an alternating magnetic field. <i>Journal of Nanobiotechnology</i> , 2017, 15, 74.	9.1	46
17	FTIR Study of the Biochemical Effects Induced by X-Ray Irradiations Combined with GD Nanoparticles in F98 Glioma Cells. <i>Biophysical Journal</i> , 2016, 110, 475a.	0.5	0
18	A Minimalistic in Vitro 3D Model to Study F98 Rat Brain Tumor Growth. <i>Biophysical Journal</i> , 2016, 110, 339a.	0.5	0

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19	Study of the biochemical effects induced by X-ray irradiations in combination with gadolinium nanoparticles in F98 glioma cells: first FTIR studies at the Emira laboratory of the SESAME synchrotron. <i>Analyst, The</i> , 2016, 141, 2238-2249.	3.5	17
20	Chains of Magnetosomes Extracted from AMB-1 Magnetotactic Bacteria for Application in Alternative Magnetic Field Cancer Therapy. <i>ACS Nano</i> , 2011, 5, 6279-6296.	14.6	268
21	Magnetoliposome for alendronate delivery. <i>Journal of Materials Chemistry</i> , 2011, 21, 4813.	6.7	28
22	Fluorescence Labelling of DNA by Carboxylic Polypyridyl-Ru Complexes Containing bpy and DIP Ligands: A Study Revisited. <i>Journal of Fluorescence</i> , 2010, 20, 631-643.	2.5	5
23	In vitro assessment of liposomal neridronate on MDA-MB-231 human breast cancer cells. <i>International Journal of Pharmaceutics</i> , 2010, 383, 116-122.	5.2	22
24	Time-resolved Microspectrofluorometry and Fluorescence Imaging Techniques: Study of Porphyrin-mediated Cellular Uptake of Oligonucleotides. <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 117-121.	3.8	5
25	Advanced Microfluorescence Methods in Monitoring Intracellular Uptake of Antisense Oligonucleotides. <i>Current Organic Chemistry</i> , 2007, 11, 515-527.	1.6	11
26	Dormancy of <i>Candida albicans</i> cells in the presence of the polyene antibiotic amphotericin B: simple demonstration by flow cytometry. <i>Medical Mycology</i> , 2007, 45, 525-533.	0.7	16
27	Secondary conformation of short lysine- and leucine-rich peptides assessed by optical spectroscopies: Effect of chain length, concentration, solvent, and time. <i>Biopolymers</i> , 2006, 81, 8-19.	2.4	16
28	Cellular uptake of phosphorothioate oligonucleotide facilitated by cationic porphyrin: A microfluorescence study. <i>Biopolymers</i> , 2006, 82, 325-328.	2.4	5
29	Cellular uptake of modified oligonucleotides: fluorescence approach. <i>Journal of Molecular Structure</i> , 2005, 744-747, 151-153.	3.6	1
30	Delivery Agents for Oligonucleotides. , 2004, 252, 545-568.		6
31	The role of structural factors in the kinetics of cellular uptake of pyrazoloacridines and pyrazolopyrimidoacridines. <i>Biochemical Pharmacology</i> , 2004, 68, 1815-1823.	4.4	5
32	Complex formation and vectorization of a phosphorothioate oligonucleotide with an amphipathic leucine- and lysine-rich peptide: Study at molecular and cellular levels. <i>Biopolymers</i> , 2004, 73, 727-734.	2.4	7
33	Intracellular uptake of modified oligonucleotide studied by two fluorescence techniques. <i>Biopolymers</i> , 2004, 74, 110-114.	2.4	8
34	The role of structural factors in the kinetics of cellular uptake of pyrazoloacridines and pyrazolopyrimidoacridines Implications for overcoming multidrug resistance towards leukaemia K562/DOX cells. <i>Biochemical Pharmacology</i> , 2004, 68, 1815-1823.	4.4	5
35	Anthrapyridones, a novel group of antitumour non-cross resistant anthraquinone analogues. Synthesis and molecular basis of the cytotoxic activity towards K562/DOX cells. <i>British Journal of Pharmacology</i> , 2002, 135, 1513-1523.	5.4	17
36	Transport of new non-cross-resistant antitumor compounds of the benzoperimidine family in multidrug resistant cells. <i>European Journal of Pharmacology</i> , 2001, 413, 131-141.	3.5	19

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37	Delivery systems for antisense oligonucleotides. , 2000, 87, 255-277.		89
38	A Cationic Derivative of Amphotericin B as a Novel Delivery System for Antisense Oligonucleotides. Oligonucleotides, 2000, 10, 177-184.	4.3	14
39	Size-dependent DNA Mobility in Cytoplasm and Nucleus. Journal of Biological Chemistry, 2000, 275, 1625-1629.	3.4	649
40	Translational Diffusion of Macromolecule-sized Solutes in Cytoplasm and Nucleus. Journal of Cell Biology, 1997, 138, 131-142.	5.2	459
41	Evidence against Defective -Golgi Acidification in Cystic Fibrosis. Journal of Biological Chemistry, 1996, 271, 15542-15548.	3.4	86
42	Nuclear pH gradient in mammalian cells revealed by laser microspectrofluorimetry. Journal of Cell Science, 1996, 109, 257-262.	2.0	99
43	Direct Measurement of trans-Golgi pH in Living Cells and Regulation by Second Messengers. Journal of Biological Chemistry, 1995, 270, 4967-4970.	3.4	137
44	Identification of the structural elements of amphotericin B and other polyene macrolide antibiotics of the heptane group influencing the ionic selectivity of the permeability pathways formed in the red cell membrane. Biochimica Et Biophysica Acta - Biomembranes, 1995, 1240, 167-178.	2.6	35
45	Polyene macrolide antibiotics: Indirect stimulation of the Na ⁺ /H ⁺ exchanger of BALB/c B lymphoid cell line, A20. Biochemical Pharmacology, 1992, 44, 539-545.	4.4	6
46	SNARF-1 as an intracellular pH indicator in laser microspectrofluorometry: A critical assessment. Analytical Biochemistry, 1991, 193, 49-54.	2.4	105