

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	Size-dependent DNA Mobility in Cytoplasm and Nucleus. Journal of Biological Chemistry, 2000, 275, 1625-1629.	3.4	649
2	Translational Diffusion of Macromolecule-sized Solutes in Cytoplasm and Nucleus. Journal of Cell Biology, 1997, 138, 131-142.	5.2	459
3	Chains of Magnetosomes Extracted from AMB-1 Magnetotactic Bacteria for Application in Alternative Magnetic Field Cancer Therapy. ACS Nano, 2011, 5, 6279-6296.	14.6	268
4	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
5	SNARF-1 as an intracellular pH indicator in laser microspectrofluorometry: A critical assessment. Analytical Biochemistry, 1991, 193, 49-54.	2.4	105
6	Nuclear pH gradient in mammalian cells revealed by laser microspectrofluorimetry. Journal of Cell Science, 1996, 109, 257-262.	2.0	99
7	Delivery systems for antisense oligonucleotides. , 2000, 87, 255-277.		89
8	Evidence against Defective -Golgi Acidification in Cystic Fibrosis. Journal of Biological Chemistry, 1996, 271, 15542-15548.	3.4	86
9	Raman tweezers microspectroscopy of <i>circa</i> 100 nm extracellular vesicles. Nanoscale, 2019, 11, 1661-1679.	5.6	72
10	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. Journal of Nanobiotechnology, 2017, 15, 74.	9.1	46
11	Identification of the structural elements of amphotericin B and other polyene macrolide antibiotics of the heptene 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
12	Magnetoliposome for alendronate delivery. Journal of Materials Chemistry, 2011, 21, 4813.	6.7	28
13	Fluorescent magnetosomes for controlled and repetitive drug release under the application of an alternating magnetic field under conditions of limited temperature increase ($\leq 2.5 \text{ }^\circ\text{C}$). Nanoscale, 2018, 10, 10918-10933.	5.6	24
14	In vitro assessment of liposomal neridronate on MDA-MB-231 human breast cancer cells. International Journal of Pharmaceutics, 2010, 383, 116-122.	5.2	22
15	Transport of new non-cross-resistant antitumor compounds of the benzoperimidine family in multidrug resistant cells. European Journal of Pharmacology, 2001, 413, 131-141.	3.5	19
16	Anthrapyridones, a novel group of antitumour non-cross resistant anthraquinone analogues. Synthesis and molecular basis of the cytotoxic activity towards K562/DOX cells. British Journal of Pharmacology, 2002, 135, 1513-1523.	5.4	17
17	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. Analyst, The, 2016, 141, 2238-2249.	3.5	17
18	Secondary conformation of short lysine- and leucine-rich peptides assessed by optical spectroscopies: Effect of chain length, concentration, solvent, and time. Biopolymers, 2006, 81, 8-19.	2.4	16

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	A Cationic Derivative of Amphotericin B as a Novel Delivery System for Antisense Oligonucleotides. <i>Oligonucleotides</i> , 2000, 10, 177-184.	4.3	14
22	Advanced Microfluorescence Methods in Monitoring Intracellular Uptake of Antisense Oligonucleotides. <i>Current Organic Chemistry</i> , 2007, 11, 515-527.	1.6	11
23	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
24	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
25	A Potential Renewed Use of Very Heavy Ions for Therapy: Neon Minibeam Radiation Therapy. <i>Cancers</i> , 2021, 13, 1356.	3.7	9
26	Intracellular uptake of modified oligonucleotide studied by two fluorescence techniques. <i>Biopolymers</i> , 2004, 74, 110-114.	2.4	8
27	Experimental and modeling study of the formation of cell aggregates with differential substrate adhesion. <i>PLoS ONE</i> , 2020, 15, e0222371.	2.5	8
28	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
29	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
30	Polyene macrolide antibiotics: Indirect stimulation of the Na ⁺ /H ⁺ exchanger of BALB/c B lymphoid cell line, A20. <i>Biochemical Pharmacology</i> , 1992, 44, 539-545.	4.4	6
31	Delivery Agents for Oligonucleotides. , 2004, 252, 545-568.		6
32	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
33	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
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	Cellular uptake of phosphorothioate oligonucleotide facilitated by cationic porphyrin: A microfluorescence study. <i>Biopolymers</i> , 2006, 82, 325-328.	2.4	5
36	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

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37	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
38	A Fluorescent Nanoprobe to Detect Local Temperature Changes During Antitumoral Hyperthermia Therapy. <i>Biophysical Journal</i> , 2020, 118, 477a.	0.5	3
39	Cellular uptake of modified oligonucleotides: fluorescence approach. <i>Journal of Molecular Structure</i> , 2005, 744-747, 151-153.	3.6	1
40	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
41	Modelling In Vitro Aggregation of Cancer Cells. <i>Biophysical Journal</i> , 2020, 118, 459a.	0.5	1
42	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
43	A Minimalistic in Vitro 3D Model to Study F98 Rat Brain Tumor Growth. <i>Biophysical Journal</i> , 2016, 110, 339a.	0.5	0
44	Biocompatible Coated Magnetosome Minerals for Application in the Magnetic Hyperthermia Treatment of Tumors. <i>Biophysical Journal</i> , 2018, 114, 361a.	0.5	0
45	Synchrotron-Based Infrared Microscopy Studies of the Radiosensitization Effects of Nanoparticles used in Radiotherapy. <i>Biophysical Journal</i> , 2020, 118, 471a.	0.5	0
46	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