

# Abel Oliva

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,259  
citations

361413

20  
h-index

377865

34  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1916  
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous separation of cells by balanced dielectrophoretic forces at multiple frequencies. <i>Lab on a Chip</i> , 2008, 8, 280-286.	6.0	119
2	Can <i>Anaplasma ovis</i> in Small Ruminants be Neglected any Longer?. <i>Transboundary and Emerging Diseases</i> , 2013, 60, 105-112.	3.0	107
3	Optical fiber probes for fluorescence based oxygen sensing. <i>Sensors and Actuators B: Chemical</i> , 2004, 103, 290-299.	7.8	86
4	Quantum Dot and Superparamagnetic Nanoparticle Interaction with Pathogenic Fungi: Internalization and Toxicity Profile. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 9100-9110.	8.0	71
5	New Trends on Optical Fiber Tweezers. <i>Journal of Lightwave Technology</i> , 2015, 33, 3394-3405.	4.6	67
6	The impact of CdSe/ZnS Quantum Dots in cells of <i>Medicago sativa</i> in suspension culture. <i>Journal of Nanobiotechnology</i> , 2010, 8, 24.	9.1	66
7	Label-free detection of <i>Babesia bovis</i> infected red blood cells using impedance spectroscopy on a microfabricated flow cytometer. <i>Acta Tropica</i> , 2007, 102, 63-68.	2.0	58
8	Dielectrophoretic sorting on a microfabricated flow cytometer: Label free separation of <i>Babesia bovis</i> infected erythrocytes. <i>Bioelectrochemistry</i> , 2008, 73, 123-128.	4.6	40
9	Optical biosensor based on nitrite reductase immobilised in controlled pore glass. <i>Biosensors and Bioelectronics</i> , 2002, 17, 45-52.	10.1	37
10	Immunosensors for diagnostic applications. <i>Parasitology Research</i> , 2002, 88, S4-S7.	1.6	36
11	Lack of Aquaporin 3 in bovine erythrocyte membranes correlates with low glycerol permeation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 477-481.	2.1	36
12	Barrier-on-a-Chip with a Modular Architecture and Integrated Sensors for Real-Time Measurement of Biological Barrier Function. <i>Micromachines</i> , 2021, 12, 816.	2.9	32
13	First survey for <i>Babesia bovis</i> and <i>Babesia bigemina</i> infection in cattle from Central and Southern regions of Portugal using serological and DNA detection methods. <i>Veterinary Parasitology</i> , 2009, 166, 66-72.	1.8	29
14	Detection of <i>Babesia</i> and <i>Theileria</i> species infection in cattle from Portugal using a reverse line blotting method. <i>Veterinary Parasitology</i> , 2010, 174, 199-205.	1.8	28
15	CdSe/ZnS Quantum Dots trigger DNA repair and antioxidant enzyme systems in <i>Medicago sativa</i> cells in suspension culture. <i>BMC Biotechnology</i> , 2013, 13, 111.	3.3	27
16	Optical biosensing of nitrite ions using cytochrome cd1 nitrite reductase encapsulated in a sol-gel matrix. <i>Analyst</i> , 2000, 125, 1993-1999.	3.5	26
17	An impedance spectroscopy method for the detection and evaluation of <i>Babesia bovis</i> antibodies in cattle. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 206-213.	7.8	26
18	Luminescence-Based Optical Fiber Chemical Sensors. <i>Fiber and Integrated Optics</i> , 2005, 24, 201-225.	2.5	25

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19	Characterization of sweat induced with pilocarpine, physical exercise, and collected passively by metabolomic analysis. <i>Skin Research and Technology</i> , 2018, 24, 187-195.	1.6	24
20	Pigmented Full-Thickness Human Skin Model Based on a Fibroblast-Derived Matrix for Long-Term Studies. <i>Tissue Engineering - Part C: Methods</i> , 2021, 27, 433-443.	2.1	24
21	Development of a recombinant indirect ELISA for the diagnosis of <i>Theileria</i> sp. (China) infection in small ruminants. <i>Parasitology Research</i> , 2006, 98, 561-567.	1.6	20
22	A solid-phase enzyme linked immunosorbent assay using monoclonal antibodies, for the detection of african swine fever virus antigens and antibodies. <i>Journal of Virological Methods</i> , 1997, 66, 211-218.	2.1	18
23	Highly sensitive method for diagnosis of subclinical <i>B. ovis</i> infection. <i>Ticks and Tick-borne Diseases</i> , 2014, 5, 902-906.	2.7	18
24	Characterization of a papain-like cysteine protease essential for the survival of <i>Babesia ovis</i> merozoites. <i>Ticks and Tick-borne Diseases</i> , 2016, 7, 85-93.	2.7	17
25	Oxygen Plasma Treated-Electrospun Polyhydroxyalkanoate Scaffolds for Hydrophilicity Improvement and Cell Adhesion. <i>Polymers</i> , 2021, 13, 1056.	4.5	17
26	Skin-on-a-Chip Technology: Microengineering Physiologically Relevant In Vitro Skin Models. <i>Pharmaceutics</i> , 2022, 14, 682.	4.5	17
27	Synthesis and Laser Immobilization onto Solid Substrates of CdSe/ZnS Core-Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15210-15216.	3.1	16
28	<i>Babesia bovis</i> expresses Bbo-6cys-E, a member of a novel gene family that is homologous to the 6-cys family of Plasmodium. <i>Parasitology International</i> , 2011, 60, 13-18.	1.3	15
29	Phosphoneurofilament heavy chain and vascular endothelial growth factor as cerebrospinal fluid biomarkers for ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2017, 18, 134-136.	1.7	15
30	<i>Babesia bovis</i> expresses a neutralization-sensitive antigen that contains a microneme adhesive repeat (MAR) domain. <i>Parasitology International</i> , 2010, 59, 294-297.	1.3	13
31	Reconstructed human pigmented skin/epidermis models achieve epidermal pigmentation through melanocore transfer. <i>Pigment Cell and Melanoma Research</i> , 2022, 35, 425-435.	3.3	11
32	Development of an optical immunosensor based on the fluorescence of Cyanine-5 for veterinarian diagnostics. <i>Biotechnology Letters</i> , 2004, 26, 993-997.	2.2	9
33	Identification of Antigenic Proteins of a <i>Theileria</i> Species Pathogenic for Small Ruminants in China Recognized by Antisera of Infected Animals. <i>Annals of the New York Academy of Sciences</i> , 2004, 1026, 161-164.	3.8	9
34	Cerebrospinal Fluid Chitinases as Biomarkers for Amyotrophic Lateral Sclerosis. <i>Diagnostics</i> , 2021, 11, 1210.	2.6	9
35	Biocompatibility and Antimicrobial Activity of Nanostructured Lipid Carriers for Topical Applications Are Affected by Type of Oils Used in Their Composition. <i>Pharmaceutics</i> , 2021, 13, 1950.	4.5	9
36	Biomimetic Full-Thickness Skin-on-a-Chip Based on a Fibroblast-Derived Matrix. <i>Micro</i> , 2022, 2, 191-211.	2.0	9

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37	Identification of Homologous Genes of <i>T. annulata</i> Proteins in the Genome of <i>Theileria</i> sp. (China). <i>Annals of the New York Academy of Sciences</i> , 2006, 1081, 468-470.	3.8	7
38	Topical distribution and efficiency of nanostructured lipid carriers on a 3D reconstructed human epidermis model. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101616.	3.0	7
39	Preparation and Characterization of Porous Scaffolds Based on Poly(3-hydroxybutyrate) and Poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <i>Life</i> , 2021, 11, 935.	2.4	7
40	Sacsin Deletion Induces Aggregation of Glial Intermediate Filaments. <i>Cells</i> , 2022, 11, 299.	4.1	7
41	Synthesis and characterization of CdSe/ZnS core-shell quantum dots immobilized on solid substrates through laser irradiation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2201-2207.	1.8	6
42	Hybrid Microfluidic Platform for Multifactorial Analysis Based on Electrical Impedance, Refractometry, Optical Absorption and Fluorescence. <i>Micromachines</i> , 2016, 7, 181.	2.9	6
43	<i>Babesia bovis</i> : Effect of Albumax II and orotic acid in a low-serum in vitro culture. <i>Experimental Parasitology</i> , 2009, 121, 274-278.	1.2	5
44	Fluorescence IgG immunosensor based on a micro flow cell containing controlled pore glass as immobilisation support. <i>Analyst</i> , 2000, 125, 1387-1391.	3.5	4
45	Processing and immobilization of chondroitin-4-sulphate by UV laser radiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 169-173.	5.0	4
46	Establishment of optimal conditions for long-term culture of erythrocytic stages of <i>Theileria uilenbergi</i> . <i>American Journal of Veterinary Research</i> , 2006, 67, 1908-1913.	0.6	3
47	Optimization of Ormosil Glasses for Luminescence Based Dissolved Oxygen Sensors. <i>Solid State Phenomena</i> , 0, 161, 1-11.	0.3	3
48	Synthesis and Functionalization of CdSe/ZnS QDs Using the Successive Ion Layer Adsorption Reaction and Mercaptopropionic Acid Phase Transfer Methods. <i>Methods in Molecular Biology</i> , 2012, 906, 143-155.	0.9	3
49	Optical immunosensor to detect African Swine Fever virus and antibodies. <i>Sensors and Actuators B: Chemical</i> , 1997, 39, 448-451.	7.8	2
50	Development of an Immunosensor for the Diagnosis of Bovine Anaplasmosis. <i>Annals of the New York Academy of Sciences</i> , 2006, 1081, 379-381.	3.8	2
51	Enzymatic Poly(octamethylene sebacate) Synthesis by a Two-Step Polymerization Method Based on the New Greener Polymer-5B Technology. <i>Processes</i> , 2022, 10, 221.	2.8	2
52	Open-source human skin model with an in vivo-like barrier for drug testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2022, , .	1.5	2
53	Optical temperature measurement configuration for fluorescence-based oxygen sensors. , 2004, , .		1
54	Identification and Characterization of Merozoite Antigens of a <i>Theileria</i> Species Highly Pathogenic for Small Ruminants in China. <i>Annals of the New York Academy of Sciences</i> , 2006, 1081, 443-452.	3.8	1

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55	Evaluation of Cytotoxicity of 3-Mercaptopropionic Acid-Modified Quantum Dots on Medicago sativa Cells and Tissues. , 2012, 906, 435-449.		1
56	Spherical vs. Granular Immobilization Support Selection and Performance on an Optical Flow Cell Immunosensor Based on the Fluorescence of Cyanineâ€5. Preparative Biochemistry and Biotechnology, 2006, 36, 333-353.	1.9	0
57	Animal Health: Harmonisation and Distribution of Pathogen Detection and Differentiation Tools. Transboundary and Emerging Diseases, 2008, 55, 187-189.	3.0	0
58	Towards single cell spectroscopy and refractometry in microfluidic chip platforms. , 2011, , .		0
59	Rapid fabrication of polymeric micro lenses for optical fiber trapping and beam shaping. Proceedings of SPIE, 2014, , .	0.8	0
60	Editorial for Special Issue: Advances in Microfluidic Devices for Cell Handling and Analysis. Micromachines, 2017, 8, 184.	2.9	0