

AndrÃ© A De Thomaz

List of Publications by Year in descending order

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74
papers

700
citations

567281

15
h-index

580821

25
g-index

75
all docs

75
docs citations

75
times ranked

1024
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring the Hydrodynamic Radius of Colloidal Quantum Dots by Fluorescence Correlation Spectroscopy. <i>Methods in Molecular Biology</i> , 2020, 2135, 85-93.	0.9	0
2	Raman spectroscopy of dorsal root ganglia from streptozotocin-induced diabetic neuropathic rats submitted to photobiomodulation therapy. <i>Journal of Biophotonics</i> , 2019, 12, e201900135.	2.3	11
3	Hydrophilic Quantum Dots Functionalized with Gd(III)-DO3A Monoamide Chelates as Bright and Effective T1-weighted Bimodal Nanoprobe. <i>Scientific Reports</i> , 2019, 9, 2341.	3.3	13
4	Small Fluorescent Probes Show iGluRs are in the Synapses of Transfected Neurons under Basal Conditions. <i>Biophysical Journal</i> , 2017, 112, 445a.	0.5	0
5	Super-resolution imaging of synaptic and Extra-synaptic AMPA receptors with different-sized fluorescent probes. <i>ELife</i> , 2017, 6, .	6.0	53
6	The role of stress in CdTe quantum dot doped glasses. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 475302.	2.8	3
7	Blood group antigen studies using CdTe quantum dots and flow cytometry. <i>International Journal of Nanomedicine</i> , 2015, 10, 4393.	6.7	14
8	Measurement of the Hydrodynamic Radius of Quantum Dots by Fluorescence Correlation Spectroscopy Excluding Blinking. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4294-4299.	2.6	13
9	One- and two-photon photoluminescence excitation spectra of CdTe quantum dots in a cryogenic confocal microscopy platform. <i>Optics Express</i> , 2015, 23, 19715.	3.4	2
10	Second harmonic generation microscopy as a powerful diagnostic imaging modality for human ovarian cancer. <i>Journal of Biophotonics</i> , 2014, 7, 37-48.	2.3	62
11	β -crystallin interacts with and prevents stress-activated proteolysis of focal adhesion kinase by calpain in cardiomyocytes. <i>Nature Communications</i> , 2014, 5, 5159.	12.8	34
12	Measuring the Hydrodynamic Radius of Quantum Dots by Fluorescence Correlation Spectroscopy. <i>Methods in Molecular Biology</i> , 2014, 1199, 85-91.	0.9	6
13	Measuring red blood cell aggregation forces using double optical tweezers. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2013, 73, 262-264.	1.2	11
14	Multiphoton intravital microscopy setup to visualize the mouse mammary gland. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
15	Multimodal nonlinear optical microscopy used to discriminate human colon cancer. , 2013, , .		5
16	The Severity of Osteogenesis Imperfecta and Type I Collagen Pattern in Human Skin as Determined by Nonlinear Microscopy: Proof of Principle of a Diagnostic Method. <i>PLoS ONE</i> , 2013, 8, e69186.	2.5	17
17	Analysis of human aorta using fluorescence lifetime imaging microscopy (FLIM). <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
18	Multimodal optical setup for nonlinear and fluorescence lifetime imaging microscopies: improvement on a commercial confocal inverted microscope. , 2012, , .		2

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19	Combined nonlinear laser imaging (two-photon excitation fluorescence, second and third-harmonic) Tj ETQq1 1 0.784314 rgBT /Overl		
20	Quantitative changes in human epithelial cancers and osteogenesis imperfecta disease detected using nonlinear multicontrast microscopy. Journal of Biomedical Optics, 2012, 17, 081407.	2.6	28
21	Quantitative second-harmonic generation imaging to detect osteogenesis imperfecta in human skin samples. Proceedings of SPIE, 2012, , .	0.8	0
22	Second-harmonic generation microscopy used to evaluate the effect of the dimethyl sulfoxide in the cryopreservation process in collagen fibers of differentiated chondrocytes. Proceedings of SPIE, 2012, , .	0.8	0
23	Use of the second harmonic generation microscopy to evaluate chondrogenic differentiation of mesenchymal stem cells for cartilage repair. , 2012, , .		2
24	Optical Biomarkers of Serous and Mucinous Human Ovarian Tumor Assessed with Nonlinear Optics Microscopies. PLoS ONE, 2012, 7, e47007.	2.5	48
25	Harmonic optical microscopy and fluorescence lifetime imaging platform for multimodal imaging. Microscopy Research and Technique, 2012, 75, 1383-1394.	2.2	17
26	Multimodal nonlinear optical microscopy used to discriminate epithelial ovarian cancer. Proceedings of SPIE, 2011, , .	0.8	1
27	Studying nanotoxic effects of CdTe quantum dots in Trypanosoma cruzi. Memórias Do Instituto Oswaldo Cruz, 2011, 106, 158-165.	1.6	25
28	Mechanical and electrical properties of red blood cells using optical tweezers. Journal of Optics (United Kingdom), 2011, 13, 044012.	2.2	18
29	Recognition of serous ovarian tumors in human samples by multimodal nonlinear optical microscopy. Journal of Biomedical Optics, 2011, 16, 096017.	2.6	37
30	Optical tweezers for studying taxis in parasites. Journal of Optics (United Kingdom), 2011, 13, 044015.	2.2	8
31	Elastic fibers and collagen distribution in human aorta. , 2011, , .		1
32	Studying nanotoxic effects of CdTe quantum dots in Trypanosoma cruzi. Proceedings of SPIE, 2010, , .	0.8	0
33	Second harmonic generation in human ovarian neoplasias. Proceedings of SPIE, 2010, , .	0.8	0
34	MMPâ€2 regulates rat ventral prostate development in vitro. Developmental Dynamics, 2010, 239, 737-746.	1.8	16
35	Confocal microscopy for automatic measurement of the density and distance between elastin fibers of histologic preparations of normotensive and hypertensive patients. , 2010, , .		0
36	Optical tweezers force measurements to study parasites chemotaxis. , 2009, , .		1

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37	Evidence of chemotaxis by quantitative measurement of the force vectors of <i>Trypanosoma cruzi</i> in the vicinity of the <i>Rhodnius prolixus</i> midgut wall cell. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
38	In vitro and in vivo documentation of quantum dots labeled <i>Trypanosoma cruzi</i> – <i>Rhodnius prolixus</i> interaction using confocal microscopy. <i>Parasitology Research</i> , 2009, 106, 85-93.	1.6	10
39	Studying taxis in real time using optical tweezers: Applications for <i>Leishmania amazonensis</i> parasites. <i>Micron</i> , 2009, 40, 617-620.	2.2	23
40	Confocal microscopy for automatic texture analysis of elastic fibers in histologic preparations. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
41	<i>Trypanosoma cruzi</i> Quantitative Chemotaxis Characterization by Optical Tweezers. <i>Microscopy and Microanalysis</i> , 2009, 15, 868-869.	0.4	0
42	Study of Quantum Dots Labeled <i>Trypanosoma cruzi</i> - <i>Rhodnius prolixus</i> Interaction by Real Time Confocal Images. <i>Microscopy and Microanalysis</i> , 2009, 15, 20-21.	0.4	25
43	Automatic Analysis of the Elastic Fiber Texture of the Aorta. <i>Microscopy and Microanalysis</i> , 2009, 15, 962-963.	0.4	0
44	Measuring electrical and mechanical properties of red blood cells with double optical tweezers. <i>Journal of Biomedical Optics</i> , 2008, 13, 014001.	2.6	47
45	Fluorescent II ^{VI} Semiconductor Quantum Dots in Living Cells: Nonlinear Microspectroscopy in an Optical Tweezers System. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2734-2737.	2.6	12
46	Study of optically trapped living <i>Trypanosoma cruzi</i> / <i>Trypanosoma rangeli</i> - <i>Rhodnius prolixus</i> interactions by real time confocal images using CdSe quantum dots. , 2008, , .		0
47	Simple silanization routes of CdSe and CdTe nanocrystals for biological applications. , 2008, , .		0
48	Sensitive and Simple Methodologies for Measuring of Red Blood Cell (RBC) Electrical Properties and Cell Aggregation.. <i>Blood</i> , 2008, 112, 998-998.	1.4	0
49	Studying red blood cell agglutination by measuring membrane viscosity with optical tweezers. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
50	Studying red blood cell agglutination by measuring electrical and mechanical properties with a double optical tweezers. <i>Proceedings of SPIE</i> , 2007, , .	0.8	2
51	Exact theory of optical forces of Mie scatterers exposed to high numerical aperture beams examined with 3D photonic force measurements. , 2007, , .		0
52	<i>Leishmania amazonensis</i> chemotaxis under glucose gradient studied by the strength and directionality of forces measured with optical tweezers. , 2007, , .		0
53	Optical tweezers and multiphoton microscopies integrated photonic tool for mechanical and biochemical cell processes studies. , 2007, , .		1
54	Chemotaxis study using optical tweezers to observe the strength and directionality of forces of <i>Leishmania amazonensis</i> . , 2006, , .		0

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55	Exact Partial Wave Expansion for an Arbitrary Optical Beams. <i>Microscopy and Microanalysis</i> , 2006, 12, 1762-1763.	0.4	0
56	Exact partial wave expansion of optical beams with respect to arbitrary origin. , 2006, , .		0
57	Electromagnetic forces for an arbitrary optical trapping of a spherical dielectric. <i>Optics Express</i> , 2006, 14, 13101.	3.4	74
58	Measuring electrical and mechanical properties of red blood cells with a double optical tweezers. , 2006, , .		0
59	Double Optical Tweezers for 3D Photonic Force Measurements. <i>Microscopy and Microanalysis</i> , 2006, 12, 1760-1761.	0.4	0
60	Studying Red Blood Cell Agglutination by Measuring Electrical and Mechanical Properties with a Double Optical Tweezers. <i>Microscopy and Microanalysis</i> , 2006, 12, 1758-1759.	0.4	11
61	Double optical tweezers for 3D photonic force measurements of Mie scatterers. , 2006, , .		0
62	Optical tweezers 3D photonic force spectroscopy. , 2006, 6131, 94.		0
63	Red blood cell membrane viscoelasticity, agglutination and zeta potential measurements with double optical tweezers. , 2006, 6088, 296.		2
64	Determination of fluid viscosity and femto Newton forces of <i>Leishmania amazonensis</i> using optical tweezers. , 2005, , .		0
65	Ultrasensitive force spectroscopy measurement of single particle light scattering by the use of optical tweezers. , 2005, 5699, 288.		0
66	Linear and non-linear microspectroscopy in an optical tweezers system. , 2005, 5700, 28.		0
67	Mechanical properties of stored red blood cells using optical tweezers. , 2005, , .		0
68	Double optical tweezers for ultrasensitive force spectroscopy in microsphere Mie scattering. <i>Applied Physics Letters</i> , 2005, 87, 221109.	3.3	22
69	Microspectroscopy and scanning microscopy in an optical tweezers system. , 2005, , .		0
70	Force spectroscopy and two photon excited luminescence in an optical tweezers system. , 2005, , .		0
71	Synthesis and characterization of CdTe nanocrystals for applications as biolabels. , 2005, 5704, 193.		0
72	Raman, hyper-Raman, hyper-Rayleigh, two-photon luminescence and morphology-dependent resonance modes in a single optical tweezers system. <i>Physical Review E</i> , 2005, 72, 012903.	2.1	17

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73	Nonlinear microspectroscopy in an optical tweezers system: application to cells marked with quantum dots. , 2005, , .		1
74	Observation of mie resonances for a single microsphere using force spectroscopy and two photon excited luminescence in an optical tweezers system. , 0, , .		0