

Cosimo D'Andrea

List of Publications by Year in descending order

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62
papers

2,133
citations

201674

27
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233421

45
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63
all docs

63
docs citations

63
times ranked

3128
citing authors

#	ARTICLE	IF	CITATIONS
1	Above pile-up fluorescence microscopy with a 32 Mc/s single-channel time-resolved SPAD system. <i>Optics Letters</i> , 2022, 47, 82.	3.3	7
2	32 Mcps time-correlated single photon counting with a single SPAD avoiding pile-up. , 2022, , .		0
3	Multispectral time-resolved fluorescence microscopy based on compressive acquisitions. , 2022, , .		0
4	All-Polymer Microcavities for the Fluorescence Radiative Rate Modification of a Diketopyrrolopyrrole Derivative. <i>ACS Omega</i> , 2022, 7, 15499-15506.	3.5	7
5	Molecular mechanisms of light harvesting in the minor antenna CP29 in near-native membrane lipidic environment. <i>Journal of Chemical Physics</i> , 2022, 156, .	3.0	7
6	Multispectral compressive fluorescence lifetime imaging microscopy with a SPAD array detector. <i>Optics Letters</i> , 2021, 46, 1353.	3.3	23
7	The Role of Acidic Residues in the C Terminal Tail of the LHCSR3 Protein of <i>Chlamydomonas reinhardtii</i> in Non-Photochemical Quenching. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6895-6900.	4.6	6
8	Giga-voxel multidimensional fluorescence imaging combining single-pixel detection and data fusion. <i>Optics Letters</i> , 2021, 46, 4312.	3.3	9
9	Shedding Light on Thermally Induced Optocapacitance at the Organic Biointerface. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10748-10758.	2.6	10
10	Membrane Environment Enables Ultrafast Isomerization of Amphiphilic Azobenzene. <i>Advanced Science</i> , 2020, 7, 1903241.	11.2	28
11	Influence of Surface Chemistry on Water Absorption in Functionalized Germanane. <i>Chemistry of Materials</i> , 2020, 32, 1537-1544.	6.7	8
12	Evolutionary divergence of photoprotection in the green algal lineage: a plant-like violaxanthin deâ€œoxidase enzyme activates the xanthophyll cycle in the green alga <i>Chlorella vulgaris</i> modulating photoprotection. <i>New Phytologist</i> , 2020, 228, 136-150.	7.3	20
13	The Photophysics of Polythiophene Nanoparticles for Biological Applications. <i>ChemBioChem</i> , 2019, 20, 532-536.	2.6	11
14	Encapsulation of Photosystem I in Organic Microparticles Increases Its Photochemical Activity and Stability for Ex Vivo Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10435-10444.	6.7	12
15	Molecular Mechanisms of Nonphotochemical Quenching in the LHCSR3 Protein of <i>Chlamydomonas reinhardtii</i> . <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2500-2505.	4.6	20
16	Fluorescence lifetime imaging of intracellular magnesium content in live cells. <i>Analyst</i> , The, 2019, 144, 1876-1880.	3.5	2
17	An â€œimperial radiationâ€™: Experimental and theoretical investigations of the photo-induced luminescence properties of 6,6â€²-dibromoindigo (Tyrian purple). <i>Dyes and Pigments</i> , 2019, 160, 879-889.	3.7	7
18	Spatially modulated illumination allows for light sheet fluorescence microscopy with an incoherent source and compressive sensing. <i>Biomedical Optics Express</i> , 2019, 10, 5776.	2.9	15

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19	Real time dynamics of β -catenin expression during Hydra development, regeneration and Wnt signalling activation. <i>International Journal of Developmental Biology</i> , 2018, 62, 311-318.	0.6	11
20	Time- and frequency-resolved fluorescence with a single TCSPC detector via a Fourier-transform approach. <i>Optics Express</i> , 2018, 26, 2270.	3.4	22
21	Time-resolved multispectral imaging based on an adaptive single-pixel camera. <i>Optics Express</i> , 2018, 26, 10550.	3.4	54
22	Effects of Photodeposited Gold vs Platinum Nanoparticles on N,F-Doped TiO ₂ Photoactivity: A Time-Resolved Photoluminescence Investigation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14326-14335.	3.1	32
23	Time-resolved laser spectroscopy for the in situ characterization of methacrylate monomer flow within spruce. <i>Wood Science and Technology</i> , 2017, 51, 227-242.	3.2	5
24	Poly(3-hexylthiophene) nanoparticles for biophotonics: study of the mutual interaction with living cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 565-574.	5.8	36
25	Functional analysis of photosynthetic pigment binding complexes in the green alga <i>Haematococcus pluvialis</i> reveals distribution of astaxanthin in Photosystems. <i>Scientific Reports</i> , 2017, 7, 16319.	3.3	31
26	Excitation-emission Fourier-transform spectroscopy based on a birefringent interferometer. <i>Optics Express</i> , 2017, 25, A483.	3.4	31
27	Multiple-view diffuse optical tomography system based on time-domain compressive measurements. <i>Optics Letters</i> , 2017, 42, 2822.	3.3	19
28	Time-Resolved Photoluminescence in Gold Nanoantennas. <i>ACS Photonics</i> , 2016, 3, 1489-1493.	6.6	9
29	Quantitative measurement of blood velocity in zebrafish with optical vector field tomography. <i>Journal of Biophotonics</i> , 2015, 8, 52-59.	2.3	18
30	Time-Resolved Photoluminescence Spectroscopy and Imaging: New Approaches to the Analysis of Cultural Heritage and Its Degradation. <i>Sensors</i> , 2014, 14, 6338-6355.	3.8	54
31	Nondestructive optical detection of monomer uptake in wood polymer composites. <i>Optics Letters</i> , 2014, 39, 228.	3.3	15
32	Light-Harvesting Complex Protein LHCBM9 Is Critical for Photosystem II Activity and Hydrogen Production in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2014, 26, 1598-1611.	6.6	64
33	The study of polyplex formation and stability by time-resolved fluorescence spectroscopy of SYBR Green I-stained DNA. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1680-1689.	2.9	17
34	Analysis of cadmium-based pigments with time-resolved photoluminescence. <i>Analytical Methods</i> , 2014, 6, 130-138.	2.7	49
35	Regulation of photosystem I light harvesting by zeaxanthin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2431-8.	7.1	73
36	Fluorine-Doped TiO ₂ Materials: Photocatalytic Activity vs Time-Resolved Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25586-25595.	3.1	186

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37	Quantitative fluorescence diffuse optical tomography in the presence of heterogeneities. Optics Letters, 2013, 38, 1903.	3.3	14
38	Diffuse Optical Techniques Applied to Wood Characterisation. Journal of Near Infrared Spectroscopy, 2013, 21, 259-268.	1.5	32
39	Strongly Fluorescent Quaternary Cu ^{1-x} In ^x Zn ² S Nanocrystals Prepared from Cu _{1-x} In _x Zn ₂ S Nanocrystals by Partial Cation Exchange. Chemistry of Materials, 2012, 24, 2400-2406.	6.7	291
40	Blue-UV-Emitting ZnSe(Dot)/ZnS(Rod) Core/Shell Nanocrystals Prepared from CdSe/CdS Nanocrystals by Sequential Cation Exchange. ACS Nano, 2012, 6, 1637-1647.	14.6	138
41	Time-Gated Optical Projection Tomography Allows Visualization of Adult Zebrafish Internal Structures. PLoS ONE, 2012, 7, e50744.	2.5	32
42	Fullerol in human lens and retinal pigment epithelial cells: time domain fluorescence spectroscopy and imaging. Photochemical and Photobiological Sciences, 2011, 10, 904.	2.9	7
43	Multiple-view fluorescence optical tomography reconstruction using compression of experimental data. Optics Letters, 2011, 36, 1377.	3.3	28
44	In vivo label-free three-dimensional imaging of zebrafish vasculature with optical projection tomography. Journal of Biomedical Optics, 2011, 16, 1.	2.6	59
45	Monitoring Absorption Changes in a Layered Diffusive Medium by White-Light Time-Resolved Reflectance Spectroscopy. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1925-1932.	4.7	14
46	Fast 3D optical reconstruction in turbid media using spatially modulated light. Biomedical Optics Express, 2010, 1, 471.	2.9	42
47	Fluorescence lifetime optical tomography with Discontinuous Galerkin discretisation scheme. Biomedical Optics Express, 2010, 1, 998.	2.9	7
48	Time-gated optical projection tomography. Optics Letters, 2010, 35, 2732.	3.3	37
49	Full-wavelet approach for fluorescence diffuse optical tomography with structured illumination. Optics Letters, 2010, 35, 3676.	3.3	45
50	Detection of inhomogeneities in diffusive media using spatially modulated light. Optics Letters, 2009, 34, 2156.	3.3	33
51	<i>In Vivo</i> Measurement of Vascular Modulation in Experimental Tumors Using a Fluorescent Contrast Agent. Photochemistry and Photobiology, 2008, 84, 1249-1256.	2.5	10
52	Temporal propagation of spatial information in turbid media. Optics Letters, 2008, 33, 2836.	3.3	37
53	Light propagation in dry and wet softwood. Optics Express, 2008, 16, 9895.	3.4	62
54	Portable, large-bandwidth time-resolved system for diffuse optical spectroscopy. Optics Express, 2007, 15, 14482.	3.4	52

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55	Comparison of noncontact and fiber-based fluorescence-mediated tomography. <i>Optics Letters</i> , 2006, 31, 769.	3.3	48
56	Time-resolved Microspectrofluorimetry and Fluorescence Lifetime Imaging of Hypericin in Human Retinal Pigment Epithelial Cells. <i>Photochemistry and Photobiology</i> , 2005, 81, 524-528.	2.5	3
57	Time-resolved Microspectrofluorimetry and Fluorescence Lifetime Imaging of Hypericin in Human Retinal Pigment Epithelial Cells. <i>Photochemistry and Photobiology</i> , 2005, 81, 524-8.	2.5	4
58	Time-resolved spectrophotometer for turbid media based on supercontinuum generation in a photonic crystal fiber. <i>Optics Letters</i> , 2004, 29, 2405.	3.3	41
59	Time-resolved optical imaging through turbid media using a fast data acquisition system based on a gated CCD camera. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 1675-1681.	2.8	33
60	Time-Resolved Reflectance Spectroscopy Applied to the Nondestructive Monitoring of the Internal Optical Properties in Apples. <i>Applied Spectroscopy</i> , 2001, 55, 1368-1374.	2.2	104
61	Effects of photodynamic therapy on the absorption properties of disulphonated aluminum phthalocyanine in tumor-bearing mice. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2001, 60, 73-78.	3.8	23
62	Fluorescence Imaging During Photodynamic Therapy of Experimental Tumors in Mice Sensitized with Disulphonated Aluminum Phthalocyanine. <i>Photochemistry and Photobiology</i> , 2000, 72, 690.	2.5	19