

# Cosimo D'Andrea

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8792362/publications.pdf>

Version: 2024-02-01

62  
papers

2,133  
citations

201674

27  
h-index

233421

45  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly Fluorescent Quaternary Cu <sup>2+</sup> In <sup>3+</sup> Zn <sup>2+</sup> S Nanocrystals Prepared from Cu <sub>1-x</sub> In <sub>x</sub> Nanocrystals by Partial Cation Exchange. <i>Chemistry of Materials</i> , 2012, 24, 2400-2406.	6.7	291
2	Fluorine-Doped TiO <sub>2</sub> Materials: Photocatalytic Activity vs Time-Resolved Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25586-25595.	3.1	186
3	Blue-UV-Emitting ZnSe(Dot)/ZnS(Rod) Core/Shell Nanocrystals Prepared from CdSe/CdS Nanocrystals by Sequential Cation Exchange. <i>ACS Nano</i> , 2012, 6, 1637-1647.	14.6	138
4	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
5	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
6	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
7	Light propagation in dry and wet softwood. <i>Optics Express</i> , 2008, 16, 9895.	3.4	62
8	In vivo label-free three-dimensional imaging of zebrafish vasculature with optical projection tomography. <i>Journal of Biomedical Optics</i> , 2011, 16, 1.	2.6	59
9	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
10	Time-resolved multispectral imaging based on an adaptive single-pixel camera. <i>Optics Express</i> , 2018, 26, 10550.	3.4	54
11	Portable, large-bandwidth time-resolved system for diffuse optical spectroscopy. <i>Optics Express</i> , 2007, 15, 14482.	3.4	52
12	Analysis of cadmium-based pigments with time-resolved photoluminescence. <i>Analytical Methods</i> , 2014, 6, 130-138.	2.7	49
13	Comparison of noncontact and fiber-based fluorescence-mediated tomography. <i>Optics Letters</i> , 2006, 31, 769.	3.3	48
14	Full-wavelet approach for fluorescence diffuse optical tomography with structured illumination. <i>Optics Letters</i> , 2010, 35, 3676.	3.3	45
15	Fast 3D optical reconstruction in turbid media using spatially modulated light. <i>Biomedical Optics Express</i> , 2010, 1, 471.	2.9	42
16	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
17	Temporal propagation of spatial information in turbid media. <i>Optics Letters</i> , 2008, 33, 2836.	3.3	37
18	Time-gated optical projection tomography. <i>Optics Letters</i> , 2010, 35, 2732.	3.3	37

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Detection of inhomogeneities in diffusive media using spatially modulated light. <i>Optics Letters</i> , 2009, 34, 2156.	3.3	33
22	Diffuse Optical Techniques Applied to Wood Characterisation. <i>Journal of Near Infrared Spectroscopy</i> , 2013, 21, 259-268.	1.5	32
23	Effects of Photodeposited Gold vs Platinum Nanoparticles on N,F-Doped TiO <sub>2</sub> Photoactivity: A Time-Resolved Photoluminescence Investigation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14326-14335.	3.1	32
24	Time-Gated Optical Projection Tomography Allows Visualization of Adult Zebrafish Internal Structures. <i>PLoS ONE</i> , 2012, 7, e50744.	2.5	32
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 fluorescence optical tomography reconstruction using compression of experimental data. <i>Optics Letters</i> , 2011, 36, 1377.	3.3	28
28	Membrane Environment Enables Ultrafast Isomerization of Amphiphilic Azobenzene. <i>Advanced Science</i> , 2020, 7, 1903241.	11.2	28
29	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
30	Multispectral compressive fluorescence lifetime imaging microscopy with a SPAD array detector. <i>Optics Letters</i> , 2021, 46, 1353.	3.3	23
31	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
32	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
33	Evolutionary divergence of photoprotection in the green algal lineage: a plant-like violaxanthin de-epoxidase 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
34	Multiple-view diffuse optical tomography system based on time-domain compressive measurements. <i>Optics Letters</i> , 2017, 42, 2822.	3.3	19
35	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
36	Quantitative measurement of blood velocity in zebrafish with optical vector field tomography. <i>Journal of Biophotonics</i> , 2015, 8, 52-59.	2.3	18

#	ARTICLE	IF	CITATIONS
37	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
38	Nondestructive optical detection of monomer uptake in wood polymer composites. <i>Optics Letters</i> , 2014, 39, 228.	3.3	15
39	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
40	Monitoring Absorption Changes in a Layered Diffusive Medium by White-Light Time-Resolved Reflectance Spectroscopy. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010, 59, 1925-1932.	4.7	14
41	Quantitative fluorescence diffuse optical tomography in the presence of heterogeneities. <i>Optics Letters</i> , 2013, 38, 1903.	3.3	14
42	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
43	Real time dynamics of $\beta$ -catenin expression during Hydra development, regeneration and Wnt signalling activation. <i>International Journal of Developmental Biology</i> , 2018, 62, 311-318.	0.6	11
44	The Photophysics of Polythiophene Nanoparticles for Biological Applications. <i>ChemBioChem</i> , 2019, 20, 532-536.	2.6	11
45	<i>In Vivo</i> Measurement of Vascular Modulation in Experimental Tumors Using a Fluorescent Contrast Agent. <i>Photochemistry and Photobiology</i> , 2008, 84, 1249-1256.	2.5	10
46	Shedding Light on Thermally Induced Optocapacitance at the Organic Biointerface. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10748-10758.	2.6	10
47	Time-Resolved Photoluminescence in Gold Nanoantennas. <i>ACS Photonics</i> , 2016, 3, 1489-1493.	6.6	9
48	Giga-voxel multidimensional fluorescence imaging combining single-pixel detection and data fusion. <i>Optics Letters</i> , 2021, 46, 4312.	3.3	9
49	Influence of Surface Chemistry on Water Absorption in Functionalized Germanane. <i>Chemistry of Materials</i> , 2020, 32, 1537-1544.	6.7	8
50	Fluorescence lifetime optical tomography with Discontinuous Galerkin discretisation scheme. <i>Biomedical Optics Express</i> , 2010, 1, 998.	2.9	7
51	Fullerol in human lens and retinal pigment epithelial cells: time domain fluorescence spectroscopy and imaging. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 904.	2.9	7
52	An "imperial radiation"™: Experimental and theoretical investigations of the photo-induced luminescence properties of 6,6-dibromoindigo (Tyrian purple). <i>Dyes and Pigments</i> , 2019, 160, 879-889.	3.7	7
53	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
54	All-Polymer Microcavities for the Fluorescence Radiative Rate Modification of a Diketopyrrolopyrrole Derivative. <i>ACS Omega</i> , 2022, 7, 15499-15506.	3.5	7

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	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
59	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
60	Fluorescence lifetime imaging of intracellular magnesium content in live cells. <i>Analyst, The</i> , 2019, 144, 1876-1880.	3.5	2
61	32 Mcps time-correlated single photon counting with a single SPAD avoiding pile-up. , 2022, , .		0
62	Multispectral time-resolved fluorescence microscopy based on compressive acquisitions. , 2022, , .		0