

# Cristina Consani

## List of Publications by Year in descending order

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46  
papers

1,059  
citations

567281

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h-index

414414

32  
g-index

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46  
docs citations

46  
times ranked

1578  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Excited-State Dynamics of Rhenium(I) Photosensitizers [Re(Cl)(CO) <sub>3</sub> (N,N)] and [Re(imidazole)(CO) <sub>3</sub> (N,N)] <sup>+</sup> : Diimine Effects. <i>Inorganic Chemistry</i> , 2011, 50, 2932-2943.	4.0	171
2	Vibrational Coherences and Relaxation in the High-Spin State of Aqueous [Fe <sup>II</sup> (bpy) <sub>3</sub> ] <sup>2+</sup> . <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7184-7187.	13.8	164
3	Ultrafast Tryptophan-to-Heme Electron Transfer in Myoglobins Revealed by UV 2D Spectroscopy. <i>Science</i> , 2013, 339, 1586-1589.	12.6	122
4	Origin of electronic absorption spectra of MLCT-excited and one-electron reduced 2,2'-bipyridine and 1,10-phenanthroline complexes. <i>Inorganica Chimica Acta</i> , 2011, 374, 578-585.	2.4	67
5	Ultrabroadband femtosecond two-dimensional ultraviolet transient absorption. <i>Optics Letters</i> , 2012, 37, 2337.	3.3	67
6	Mid-infrared absorption gas sensing using a silicon strip waveguide. <i>Sensors and Actuators A: Physical</i> , 2018, 277, 117-123.	4.1	67
7	Femtosecond pump/supercontinuum-probe setup with 20 kHz repetition rate. <i>Review of Scientific Instruments</i> , 2012, 83, 093105.	1.3	54
8	Femtosecond UV Studies of the Electronic Relaxation Processes in Cytochrome <i>c</i> . <i>Journal of Physical Chemistry B</i> , 2011, 115, 13723-13730.	2.6	44
9	Energy transfer and relaxation mechanisms in Cytochrome <i>c</i> . <i>Chemical Physics</i> , 2012, 396, 108-115.	1.9	43
10	Characterization of Evanescent Field Gas Sensor Structures Based on Silicon Photonics. <i>IEEE Photonics Journal</i> , 2018, 10, 1-14.	2.0	42
11	A cascade through spin states in the ultrafast haem relaxation of met-myoglobin. <i>Journal of Chemical Physics</i> , 2014, 140, 025103.	3.0	25
12	Ultrafast Energy Transfer between Disordered and Highly Planarized Chains of Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] (MEH-PPV). <i>ACS Macro Letters</i> , 2015, 4, 412-416.	4.8	24
13	A CMOS Compatible Pyroelectric Mid-Infrared Detector Based on Aluminium Nitride. <i>Sensors</i> , 2019, 19, 2513.	3.8	20
14	Relaxation dynamics and exciton energy transfer in the low-temperature phase of MEH-PPV. <i>Journal of Chemical Physics</i> , 2015, 142, 212429.	3.0	18
15	Disentangling thermal and nonthermal excited states in a charge-transfer insulator by time- and frequency-resolved pump-probe spectroscopy. <i>Physical Review B</i> , 2009, 80, .	3.2	16
16	Quantum Control Spectroscopy of Competing Reaction Pathways in a Molecular Switch. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11364-11372.	2.5	13
17	Mapping of exciton-to-exciton annihilation in MEH-PPV by time-resolved spectroscopy: experiment and microscopic theory. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31989-31996.	2.8	13
18	Spectroscopic Gas Sensing Using a Silicon Slab Waveguide. <i>Procedia Engineering</i> , 2016, 168, 1265-1269.	1.2	12

#	ARTICLE	IF	CITATIONS
19	Ultraviolet transient absorption, transient grating and photon echo studies of aqueous tryptophan. <i>Chemical Physics</i> , 2013, 422, 47-52.	1.9	10
20	Aluminium, gold-tin and titanium-tungsten alloys for mid-infrared plasmonic gratings. <i>Optical Materials Express</i> , 2021, 11, 1058.	3.0	9
21	Figures of merit for mid-IR evanescent-wave absorption sensors and their simulation by FEM methods. <i>Optics Express</i> , 2021, 29, 9723.	3.4	9
22	Numerical Investigations of Infrared Slot Waveguides for Gas Sensing. <i>Proceedings (mdpi)</i> , 2018, 2, 799.	0.2	6
23	Ultrafast (Bio)physical and (Bio)chemical Dynamics. <i>Chimia</i> , 2011, 65, 683.	0.6	4
24	Ultrafast isomerization in a difluoroboryl-coordinated molecular switch. <i>Chemical Physics Letters</i> , 2017, 683, 83-90.	2.6	4
25	Impact of Different Metals on the Performance of Slab Tamm Plasmon Resonators. <i>Sensors</i> , 2020, 20, 6804.	3.8	4
26	Design of a Curved Shape Photonic Crystal Taper for Highly Efficient Mode Coupling. <i>Sensors</i> , 2021, 21, 585.	3.8	4
27	Ultra-Narrow SPP Generation from Ag Grating. <i>Sensors</i> , 2021, 21, 6993.	3.8	4
28	Design of a Slab Tamm Plasmon Resonator Coupled to a Multistrip Array Waveguide for the Mid Infrared. <i>Sensors</i> , 2022, 22, 2968.	3.8	4
29	The role of the dipolar neighborhood on the relaxation dynamics of multichromophoric merocyanines. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19820-19831.	2.8	3
30	Characterisation of a resonant-cavity enhanced thermal emitter for the mid-infrared. , 2017, , .		3
31	Fog Effects on Time-of-Flight Imaging Investigated by Ray-Tracing Simulations. <i>Proceedings (mdpi)</i> , 2018, 2, 859.	0.2	3
32	Design of a Mid-Infrared Bandpass Filter With Large Rejection Bandwidth for Silicon Photonics. <i>Journal of Lightwave Technology</i> , 2019, 37, 3770-3776.	4.6	3
33	Photonic Gas Sensor Using a Silicon Strip Waveguide. <i>Proceedings (mdpi)</i> , 2017, 1, 547.	0.2	2
34	Virtual White Cane Featuring Time-of-Flight 3D Imaging Supporting Visually Impaired Users. , 2018, , .		2
35	UV Two-Dimensional Transient Absorption Spectroscopy. , 2012, , .		1
36	Engineering mode coupling in a hybrid plasmon-photonic cavity for dual-band infrared spectroscopic gas sensing. <i>OSA Continuum</i> , 2021, 4, 1827.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Plasmonic Silver Grating for Mid-Infrared Sensing. , 2021, , .		1
38	Safety-critical human detection featuring time-of-flight environment perception. , 2017, , .		0
39	Intrinsic damping in silicon slab waveguides in the mid-infrared. , 2017, , .		0
40	Sensitivity Comparison of Integrated Mid-Infrared Silicon-Based Photonic Detectors. Proceedings (mdpi), 2018, 2, 796.	0.2	0
41	Si-Based Waveguides for Evanescent-Field Sensors. , 2018, , .		0
42	Chirped Grating IR-Filter on a Waveguide for Sensing Applications. Proceedings (mdpi), 2020, 42, 81.	0.2	0
43	Towards Integrated Plasmonic Gas Sensors in the MWIR. Engineering Proceedings, 2021, 6, .	0.4	0
44	Characterization of a Narrowband Resonant Cavity Enhanced Detector in the Mid-Infrared. , 2018, , .		0
45	Multipath Ray-Tracing-Based Modelling of Time-of-Flight Cameras. , 2020, , 93-147.		0
46	A Smartphone-Based Virtual White Cane Prototype Featuring Time-of-Flight 3D Imaging. , 2020, , 179-199.		0