

Ana Maria de Paula

List of Publications by Year in descending order

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3973
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Excited-State Decay Mechanisms of 6-Thioguanine Followed by Sub-20 fs UV Transient Absorption Spectroscopy. <i>Molecules</i> , 2022, 27, 1200.	1.7	7
2	Ultrafast Plasmonics Beyond the Perturbative Regime: Breaking the Electronic-Optical Dynamics Correspondence. <i>Nano Letters</i> , 2022, 22, 2748-2754.	4.5	11
3	Environment-Driven Coherent Population Transfer Governs the Ultrafast Photophysics of Tryptophan. <i>Journal of the American Chemical Society</i> , 2022, 144, 12884-12892.	6.6	8
4	Angle-tunable intersubband photoabsorption and enhanced photobleaching in twisted bilayer graphene. <i>Nano Research</i> , 2021, 14, 2797-2804.	5.8	6
5	Canine mammary cancer tumour behaviour and patient survival time are associated with collagen fibre characteristics. <i>Scientific Reports</i> , 2021, 11, 5668.	1.6	4
6	Photoinduced Intersubband Absorption and Enhanced Photobleaching in Twisted Bilayer Graphene. , 2021, , .		0
7	Nonlinear Dark-Field Imaging of One-Dimensional Defects in Monolayer Dichalcogenides. <i>Nano Letters</i> , 2020, 20, 284-291.	4.5	34
8	A Unified Experimental/Theoretical Description of the Ultrafast Photophysics of Single and Double Thionated Uracils. <i>Chemistry - A European Journal</i> , 2020, 26, 336-343.	1.7	31
9	Local photodoping in monolayer MoS ₂ . <i>Nanotechnology</i> , 2020, 31, 255701.	1.3	7
10	Canine mammary cancer diagnosis from quantitative properties of nonlinear optical images. <i>Biomedical Optics Express</i> , 2020, 11, 6413.	1.5	6
11	Ultrafast intersystem crossing in 4-thiothymidine proceeds through a vibrational coherently accessed dark intermediate state. , 2020, , .		0
12	Photoinduced Intersubband Absorption and Enhanced Photobleaching in Twisted Bilayer Graphene. , 2020, , .		0
13	Ultrafast optical response of plasmonic structures beyond the perturbative regime: evidence of universal saturation dynamics. <i>EPJ Web of Conferences</i> , 2019, 205, 04022.	0.1	0
14	Intersystem crossing in thiobases proceeds by a dark intermediate state. <i>EPJ Web of Conferences</i> , 2019, 205, 10005.	0.1	1
15	Gate-tunable non-volatile photomemory effect in MoS ₂ transistors. <i>2D Materials</i> , 2019, 6, 025036.	2.0	17
16	Light-to-heat conversion dynamics in highly diversified water-dispersed hydrophobic nanocrystal assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8161-8166.	3.3	27
17	Sub-20 fs UV spectroscopy to track primary photoinduced processes in Thiobases. , 2019, , .		0
18	A hyperspectral microscope based on an ultrastable common-path interferometer. <i>APL Photonics</i> , 2019, 4, .	3.0	19

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19	Intersystem Crossing in Thiobases Proceeds by a Dark Intermediate State. , 2019, , .		0
20	Hyperspectral imaging with a TWINS birefringent interferometer. Optics Express, 2019, 27, 15956.	1.7	36
21	Hyperspectral Microscope Based on a Birefringent Interferometer for Biomedical Imaging. , 2019, , .		0
22	Second harmonic generation imaging of the collagen architecture in prostate cancer tissue. Biomedical Physics and Engineering Express, 2018, 4, 025026.	0.6	16
23	Twisted bilayer graphene photoluminescence emission peaks at van Hove singularities. Journal of Physics Condensed Matter, 2018, 30, 175302.	0.7	21
24	STM-electroluminescence from clustered C3N4 nanodomains synthesized via green chemistry process. Ultrasonics Sonochemistry, 2018, 40, 742-747.	3.8	5
25	Observation of the Sub-100 Femtosecond Population of a Dark State in a Thiobase Mediating Intersystem Crossing. Journal of the American Chemical Society, 2018, 140, 16087-16093.	6.6	63
26	Universal saturation behavior in the transient optical response of plasmonic structures. Physical Review B, 2018, 98, .	1.1	15
27	Raman spectroscopy with a 1064-nm wavelength laser as a potential molecular tool for prostate cancer diagnosis: a pilot study. Journal of Biomedical Optics, 2018, 23, 1.	1.4	12
28	Enhanced hot luminescence at van Hove singularities in twisted bilayer graphene. , 2017, , .		1
29	Second harmonic generation microscopy as a cancer diagnosis tool. , 2017, , .		0
30	Optical parametric amplification in a random medium: BBO nanopowder. , 2017, , .		1
31	Angiotensin Converting Enzyme Regulates Cell Proliferation and Migration. PLoS ONE, 2016, 11, e0165371.	1.1	25
32	Supercollision cooling effects on the hot photoluminescence emission of graphene. Nanotechnology, 2016, 27, 445710.	1.3	3
33	Crystal-oriented wrinkles with origami-type junctions in few-layer hexagonal boron nitride. Nano Research, 2015, 8, 1680-1688.	5.8	35
34	Synchrotron X-ray diffraction and Raman spectroscopy of Ln ₃ NbO ₇ (Ln=La, Pr, Nd, Sm-Lu) ceramics obtained by molten-salt synthesis. Journal of Solid State Chemistry, 2014, 209, 63-68.	1.4	34
35	Defect-Induced Supercollision Cooling of Photoexcited Carriers in Graphene. Nano Letters, 2014, 14, 5621-5624.	4.5	38
36	The endocannabinoid system mediates aerobic exercise-induced antinociception in rats. Neuropharmacology, 2014, 77, 313-324.	2.0	65

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37	Acute Resistance Exercise Induces Antinociception by Activation of the Endocannabinoid System in Rats. <i>Anesthesia and Analgesia</i> , 2014, 119, 702-715.	1.1	60
38	Crystal structure of fluorite-related Ln ₃ SbO ₇ (Ln=La–Dy) ceramics studied by synchrotron X-ray diffraction and Raman scattering. <i>Journal of Solid State Chemistry</i> , 2013, 203, 326-332.	1.4	20
39	A luminescent supramolecular assembly composed of a single-walled carbon nanotube and a molecular magnet precursor. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	4
40	Observation of intense second harmonic generation from MoS ₂ atomic crystals. <i>Physical Review B</i> , 2013, 87, .	1.1	566
41	Imaging the crystal structure of few-layer two-dimensional crystals by optical nonlinearity. , 2013, , .		0
42	Spatiotemporal phase-matching in capillary high-harmonic generation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 806.	0.9	5
43	Chemokines and mitochondrial products activate neutrophils to amplify organ injury during mouse acute liver failure. <i>Hepatology</i> , 2012, 56, 1971-1982.	3.6	279
44	The Spermatogonial Stem Cell Niche in the Collared Peccary (<i>Tayassu tajacu</i>)1. <i>Biology of Reproduction</i> , 2012, 86, 155, 1-10.	1.2	32
45	A Model of DENV-3 Infection That Recapitulates Severe Disease and Highlights the Importance of IFN- β in Host Resistance to Infection. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1663.	1.3	58
46	Membrane Cholesterol Regulates Lysosome-Plasma Membrane Fusion Events and Modulates <i>Trypanosoma cruzi</i> Invasion of Host Cells. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1583.	1.3	37
47	Mitochondrial Calcium Regulates Liver Regeneration Through Modulation of Apoptosis. <i>Gastroenterology</i> , 2011, 140, S-472.	0.6	0
48	Mitochondrial calcium regulates rat liver regeneration through the modulation of apoptosis. <i>Hepatology</i> , 2011, 54, 296-306.	3.6	53
49	Spatially resolved Ar [*] and Ar ⁺ imaging as a diagnostic for capillary-based high harmonic generation. <i>Journal of Optics</i> , 2009, 11, 054011.	1.5	3
50	EUV off-axis focusing using a high harmonic source. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
51	Simultaneous measurement of structure and XUV dielectric constant of nanoscale objects using diffraction of high harmonic radiation. , 2009, , .		0
52	Molecular variation of capillary-produced soft x-ray high harmonics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 145602.	0.6	4
53	Direct measurement of the complex refractive index in the extreme ultraviolet spectral region using diffraction from a nanosphere array. <i>Applied Physics Letters</i> , 2008, 93, 231103.	1.5	14
54	Molecular Control of the Evolution of Capillary-Generated Soft X-ray High Harmonics. , 2007, , .		0

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55	Spatially resolved soft X-ray spectrometry from single-image diffraction. Nature Physics, 2007, 3, 176-179.	6.5	11
56	Soft-x-ray wavelength shift induced by ionization effects in a capillary. Optics Letters, 2006, 31, 374.	1.7	55
57	Microscale diffraction measurements with a high harmonic soft x-ray source. , 2006, , .		0
58	Generalized ultrafast dispersion scans of continuum generation induced by sub-50fs chirped pulses in highly nonlinear tapered planar waveguides. , 2005, 5714, 200.		1
59	Ultrasensitive force spectroscopy measurement of single particle light scattering by the use of optical tweezers. , 2005, 5699, 288.		0
60	Linear and non-linear microspectroscopy in an optical tweezers system. , 2005, 5700, 28.		0
61	Double optical tweezers for ultrasensitive force spectroscopy in microsphere Mie scattering. Applied Physics Letters, 2005, 87, 221109.	1.5	22
62	Raman, hyper-Raman, hyper-Rayleigh, two-photon luminescence and morphology-dependent resonance modes in a single optical tweezers system. Physical Review E, 2005, 72, 012903.	0.8	17
63	Absorption coefficient imaging by near-field scanning optical microscopy in bacteria. Applied Optics, 2003, 42, 3005.	2.1	4
64	Optical Absorption and Transmission Electron Microscopy Analysis of CdTe Quantum Dots Size Distribution. Microscopy and Microanalysis, 2003, 9, 426-427.	0.2	1
65	Shallow impurities in multiple V-groove quantum wires. Journal of Physics Condensed Matter, 2002, 14, 471-482.	0.7	1
66	Near-Field Scanning Optical Images of Bacteria. , 2002, , .		0
67	Shallow impurities in V-groove quantum wires. Physical Review B, 2001, 63, .	1.1	17
68	Interband and intersubband absorption in HgCdTe multiple quantum wells. Physical Review B, 1999, 59, 10158-10164.	1.1	8
69	Temperature dependence of the absorption spectra in CdTe-doped glasses. Semiconductor Science and Technology, 1999, 14, 58-63.	1.0	19
70	Effect of size dispersion on the optical absorption of an ensemble of semiconductor quantum dots. Semiconductors, 1998, 32, 1229-1233.	0.2	13
71	Quantum confinement effects on the optical phonons of CdTe quantum dots. Superlattices and Microstructures, 1998, 23, 1103-1106.	1.4	32
72	τ to X electron transfer times in type-II GaAs/AlAs superlattices due to emission of confined and interface phonons. Superlattices and Microstructures, 1998, 23, 249-252.	1.4	1

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73	Study of the optical properties of TeO ₂ -PbO-TiO ₂ glass system. <i>Quimica Nova</i> , 1998, 21, 361-364.	0.3	5
74	Estudo das propriedades Ópticas em vidros 0,3La ₂ S ₃ -0,7Ga ₂ S ₃ . <i>Quimica Nova</i> , 1998, 21, 517-520.	0.3	0
75	CdTe quantum dots by melt heat treatment in borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 1997, 219, 205-211.	1.5	28
76	Ultrafast processes in semiconductor doped glasses. <i>Applied Surface Science</i> , 1997, 109-110, 30-35.	3.1	14
77	Temperature Dependence of τ_{c} to Xz Electron Transfer Times in Type-II GaAs/AlAs Superlattices. <i>Physica Status Solidi (B): Basic Research</i> , 1997, 204, 198-200.	0.7	0
78	Preparation and characterisation of high refractive index PbO-TiO ₂ -TeO ₂ glass systems. <i>Journal of Materials Chemistry</i> , 1996, 6, 1811-1814.	6.7	5
79	Size effects on the phonon spectra of quantum dots in CdTe-doped glasses. <i>Applied Physics Letters</i> , 1996, 69, 357-359.	1.5	49
80	CdTe quantum dots in Er ³⁺ -doped borosilicate glass. <i>Journal of Materials Science Letters</i> , 1996, 15, 1879-1881.	0.5	1
81	Photoinduced intersubband transition in undoped HgCdTe multiple quantum wells. <i>Applied Physics Letters</i> , 1995, 66, 2998-3000.	1.5	7
82	Probing of the quantum dot size distribution in CdTe-doped glasses by photoluminescence excitation spectroscopy. <i>Applied Physics Letters</i> , 1995, 66, 439-441.	1.5	43
83	Carrier capture processes in semiconductor superlattices due to emission of confined phonons. <i>Journal of Applied Physics</i> , 1995, 77, 6306-6312.	1.1	11
84	PbTe quantum dot doped glasses with absorption edge in the 1.5 μm wavelength region. <i>Electronics Letters</i> , 1995, 31, 1013-1015.	0.5	33
85	Preparation and characterization of tellurium oxide based glass: Li ₂ O-TiO ₂ -TeO ₂ system. <i>Journal of Non-Crystalline Solids</i> , 1995, 191, 107-114.	1.5	17
86	τ_{c} to Xz electron transfer times in type-II superlattices due to emission of confined phonons. <i>Applied Physics Letters</i> , 1994, 65, 1281-1283.	1.5	15
87	Photoluminescence measurements of complex defects in Si-doped Al _{0.3} Ga _{0.7} As. <i>Journal of Applied Physics</i> , 1994, 76, 8051-8054.	1.1	5
88	Picosecond photoluminescence intensity correlation measurements of hot carriers in GaAs/Al _x Ga _{1-x} As quantum wells. <i>Journal of Luminescence</i> , 1994, 59, 303-313.	1.5	3
89	Carrier capture via confined phonons in GaAs-AlGaAs multiple quantum wells. <i>Semiconductor Science and Technology</i> , 1994, 9, 730-732.	1.0	4
90	Carrier capture processes in GaAs-AlGaAs quantum wells due to emission of confined phonons. <i>Applied Physics Letters</i> , 1993, 63, 3026-3028.	1.5	12

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91	Interaction of electrons with interface phonons in GaAs/AlAs and GaAs/AlGaAs heterostructures. Semiconductor Science and Technology, 1992, 7, B116-B119.	1.0	17
92	Subpicosecond real-space charge transfer in GaAs/AlAs type II superlattices. Semiconductor Science and Technology, 1992, 7, B120-B123.	1.0	15
93	Electron-LO-phonon scattering rates in GaAs-Al _x Ga _{1-x} As quantum wells. Semiconductor Science and Technology, 1991, 6, 397-400.	1.0	52
94	Investigation of inter-valley scattering and hot phonon dynamics in GaAs quantum wells using femtosecond luminescence intensity correlation. Superlattices and Microstructures, 1989, 6, 199-202.	1.4	6