Luiz Cury

List of Publications by Year in Descending Order

104 papers	1,020 citations	16 h-index	27 g-index
113 ext. papers	1,107 ext. citations	3 avg, IF	3.6 L-index

#	Paper	IF	Citations
104	Multi-conformational Luminescence and Phosphorescence of Few Phenazine 1,2,3-triazole Molecules.. *Journal of Fluorescence*, **2022**, 1	2.4	
103	Amoxicillin photodegradation under visible light catalyzed by metal-free carbon nitride: An investigation of the influence of the structural defects. *Journal of Hazardous Materials*, **2021**, 401, 123713	12.8	17
102	Rhodium(III)-Catalyzed C-H/N-H Alkyne Annulation of Nonsymmetric 2-Aryl (Benz)imidazole Derivatives: Photophysical and Mechanistic Insights. *Journal of Organic Chemistry*, **2021**, 86, 264-278	4.2	6
101	Neutron-induced point defects and luminescence properties of enriched Zn82Se crystals. *Journal of Applied Physics*, **2021**, 130, 054502	2.5	0
100	Aggregation-Induced Emission and Temperature-Dependent Luminescence of Potassium Perylenetetracarboxylate. *Journal of Fluorescence*, **2021**, 31, 1855-1862	2.4	
99	All-perylene-derivative for white light emitting diodes. *Physical Chemistry Chemical Physics*, **2020**, 22, 20744-20750	3.6	1
98	Dynamics of aggregated states resolved by gated fluorescence in films of room temperature phosphorescent emitters. *Physical Chemistry Chemical Physics*, **2019**, 21, 3814-3821	3.6	3
97	Fluorescence of a Natural Fluorophore as a Key to Improve Fingerprint Contrast Image. *Journal of Forensic Sciences*, **2019**, 64, 1867-1872	1.8	3
96	Investigations on the interaction of water-soluble semiconductor polymer with thioglycolic acid (TGA) capped CdTe quantum dots. *Optical Materials*, **2019**, 93, 70-75	3.3	1
95	New directly electrosynthesized metal-free copolymeric NIR emitters based on EDOT-[Ethiophene-carboxamide]-fluorene like donor-acceptor systems. *Synthetic Metals*, **2019**, 250, 161-171	3.6	1
94	Multi-conformational monomer and dimer steady-states in domains of a few molecules: the consequences on the phosphorescence emission bands. *Physical Chemistry Chemical Physics*, **2019**, 21, 21966-21971	3.6	1
93	Characterization of high-purity 82Se-enriched ZnSe for double-beta decay bolometer/scintillation detectors. *Journal of Applied Physics*, **2018**, 123, 085704	2.5	5
92	A simplified model for direct experimental determination of energy transfer quantum efficiency as a function of donor-acceptor interaction distance. *Applied Physics Letters*, **2018**, 112, 053301	3.4	1
91	Vibronic singlet and triplet steady-state interplay emissions in phenazine-based 1,2,3-triazole films. *Chemical Physics Letters*, **2018**, 695, 176-182	2.5	4
90	STM-electroluminescence from clustered CN nanodomains synthesized via green chemistry process. *Ultrasonics Sonochemistry*, **2018**, 40, 742-747	8.9	3
89	Electro-optical interfacial effects on a graphene/Econjugated organic semiconductor hybrid system. *Beilstein Journal of Nanotechnology*, **2018**, 9, 963-974	3	5
88	Electron paramagnetic resonance signature of point defects in neutron-irradiated hexagonal boron nitride. *Physical Review B*, **2018**, 98,	3.3	28

87	carotene and oleic acid contributions to the optical properties of amazonic oils. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 347, 93-97	4.7	0
86	Indirect consequences of exciplex states on the phosphorescence lifetime of phenazine-based 1,2,3-triazole luminescent probes. *Physical Chemistry Chemical Physics*, **2017**, 19, 3473-3479	3.6	6
85	Spectroscopic studies of different poly3hexylthiophene chain environments in a polyfluorene matrix. *Journal of Luminescence*, **2016**, 172, 118-123	3.8	7
84	Synthesis of a Phenazine-Based 1,2,3-Triazole from Naturally Occurring Naphthoquinone Designed as a Probe for Cd2+ Ions. *European Journal of Organic Chemistry*, **2015**, 2015, 703-709	3.2	23
83	LED and Halogen Light Transmission through a CAD/CAM Lithium Disilicate Glass-Ceramic. *Brazilian Dental Journal*, **2015**, 26, 648-53	1.9	7
82	Understanding molecular interactions in light-emitting polymer bilayers: The role of solvents and molecular structure on the interface quality. *Applied Physics Letters*, **2014**, 104, 163301	3.4	5
81	Interface engineering to probe exciton energy transfer mechanism in conjugated polymer bilayers. *Organic Electronics*, **2014**, 15, 3501-3505	3.5	2
80	Temperature resolved aggregate states in dialkoxyphenylene-thiophene oligomer. *Chemical Physics Letters*, **2014**, 614, 67-71	2.5	4
79	Optically active vibrational modes of PPV derivatives on textile substrate. *Journal of Luminescence*, **2013**, 134, 374-384	3.8	1
78	Interfacial exciplex formation in bilayers of conjugated polymers. *Journal of Chemical Physics*, **2013**, 139, 164908	3.9	5
77	Avoiding trap states in poly(n-vinylcarbazole) thin films. *Organic Electronics*, **2012**, 13, 2843-2849	3.5	7
76	Measurement of interchain and intrachain exciton hopping barriers in luminescent polymer. *Journal of Physics Condensed Matter*, **2012**, 24, 015801	1.8	1
75	One pot synthesis of fluorescent conjugated materials: immobilization of phenylene ethynylene polyelectrolytes in silica confined ionogels. *Journal of Materials Chemistry*, **2011**, 21, 13588		20
74	The dependence of the amplified spontaneous emission on the waveguide excitation length for high quantum efficiency conjugated polymers. *Organic Electronics*, **2011**, 12, 1142-1145	3.5	5
73	Optically active vibrational modes in the photoluminescence line shape of BDMO-PPV films. *Journal of Luminescence*, **2011**, 131, 2189-2194	3.8	6
72	Long range energy transfer in conjugated polymer sequential bilayers. *Journal of Chemical Physics*, **2011**, 134, 104903	3.9	17
71	Size Selective Precipitation of CdSe Colloidal Quantum Dots **2010**,		2
70	High photoluminescence quantum yield due to intramolecular energy transfer in the Super Yellow conjugated copolymer. *Chemical Physics Letters*, **2010**, 490, 76-79	2.5	34

69	Exchange with temperature of the electron-vibrational mode interaction between thienylene□phenylene copolymer rings. *Journal of Polymer Science, Part B: Polymer Physics*, **2010**, 48, 964-971	2.6	10
68	Growth kinetics of CdTe colloidal nanocrystals. *Journal of Chemical Physics*, **2009**, 131, 084712	3.9	13
67	Current bistability in a weakly coupled multi-quantum well structure: a magnetic field induced □hemory effect□*Journal Physics D: Applied Physics*, **2009**, 42, 145109	3	2
66	BEHP-PPV and P3HT blends for light emitting devices. *Materials Science and Engineering C*, **2009**, 29, 571-574	8.3	16
65	Response to □comment on □ain coefficient method for amplified spontaneous emission in thin waveguided film of a conjugated polymer□[Appl. Phys. Lett. 94, 106101 (2009)]. *Applied Physics Letters*, **2009**, 94, 106102	3.4	3
64	Identification of the optically active vibrational modes in the photoluminescence of MEH-PPV films. *Journal of Chemical Physics*, **2008**, 128, 094902	3.9	34
63	Synthesis and electrochemical and optical characterization of poly(3-octadecylthiophene). *Synthetic Metals*, **2008**, 158, 1037-1042	3.6	13
62	Gain coefficient method for amplified spontaneous emission in thin waveguided film of a conjugated polymer. *Applied Physics Letters*, **2008**, 93, 163307	3.4	8
61	Poly(3-hexylthiophene)/multi-walled carbon nanotube composites: electrochemical and optical characterization. *Materials Research Society Symposia Proceedings*, **2008**, 1143, 10201		0
60	Blends of poly[2-(2?,5?-bis(2?-ethyl-hexyloxy)phenyl)-1,4-phenylenevinylene] and poly(3-hexylthiophene) as base materials for broad band light emission devices. *Journal of Applied Physics*, **2008**, 104, 043106	2.5	3
59	Self-organized MEH-PPV domains in a TPU matrix and the consequences to the luminescence spectra. *Journal of Applied Polymer Science*, **2008**, 109, 3659-3664	2.9	1
58	Electric force microscopy investigation of a MEH-PPV conjugated polymer blend: robustness or frailty?. *Ultramicroscopy*, **2008**, 108, 302-8	3.1	8
57	Light transmission through porcelain. *Dental Materials*, **2007**, 23, 1363-8	5.7	50
56	Poly(2-methoxy-5-(2?-ethyl-hexyloxy)-1,4-phenylenevinylene) conjugated polymer domains in a thermoplastic polyurethane matrix. *Journal of Applied Physics*, **2007**, 101, 033133	2.5	4
55	Nanowires and nanoribbons formed by methylphosphonic acid. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 3071-80	1.3	3
54	Optical properties of MEH-PPV conjugated polymer covered by silica nanoshells. *Journal of Applied Polymer Science*, **2006**, 102, 5620-5626	2.9	5
53	Absorption and photoluminescence of a new thienylene□phenylene copolymer. *Journal of Non-Crystalline Solids*, **2006**, 352, 3685-3688	3.9	5
52	Dependence of the vibronic emission on self-absorption and reemission processes in conjugated polymers. *Journal of Applied Physics*, **2006**, 100, 093105	2.5	4

51	Measurement of the Emitted Light Polarization State in Oriented and Non-Oriented PPV Films. *Macromolecular Symposia*, **2006**, 245-246, 406-409	0.8	4
50	LangmuirBlodgett and LangmuirSchaefer films of poly(5-amino-1-naphthol) conjugated polymer. *Applied Surface Science*, **2006**, 253, 543-548	6.7	27
49	Correlation between thermal, optical and morphological properties of heterogeneous blends of poly(3-hexylthiophene) and thermoplastic polyurethane. *Journal of Physics Condensed Matter*, **2006**, 18, 7529-42	1.8	18
48	The effect of potential fluctuations on the optical properties of InGaAsInAlAs superlattices. *Journal of Applied Physics*, **2005**, 97, 103518	2.5	17
47	Conjugated polymers encapsulated with microspheres of polyvinyl alcohol. *Synthetic Metals*, **2005**, 153, 45-48	3.6	2
46	Study of [Thienylene-dialkoxy phenylene] Conjugated Materials. *Macromolecular Symposia*, **2005**, 229, 194-196	0.8	3
45	Asymmetric line shape in the emission spectra of conjugated polymer thin films: an experimental signature of one-dimensional electronic states. *Journal of Chemical Physics*, **2004**, 121, 3836-9	3.9	14
44	AFM studies of poly (5-amino-1-naphthol) ultrathin films obtained by associating LangmuirSchaefer and LangmuirBlodgett methods. *Synthetic Metals*, **2004**, 145, 147-151	3.6	5
43	Exciton polariton emission from a resonantly excited GaAs microcavity. *Brazilian Journal of Physics*, **2004**, 34, 1473-1477	1.2	7
42	Temperature effects on the vibronic spectra of BEHPPV conjugated polymer films. *Journal of Chemical Physics*, **2003**, 119, 9777-9782	3.9	59
41	Large blue shift in the absorption spectra of BEH-PPV films containing gold nanoparticles. *Synthetic Metals*, **2003**, 139, 283-286	3.6	13
40	Spectral Redistribution of Waveguided Emissionin BEH-PPV Films. *Molecular Crystals and Liquid Crystals*, **2002**, 374, 445-450	0.5	2
39	Optical studies of strain effects in quantum wells grown on (311) and (100) GaAs substrates. *Physical Review B*, **2001**, 64,	3.3	5
38	Arrhenius analysis optical transitions in strained InGaAsP quantum wells. *Journal of Applied Physics*, **1999**, 86, 537-542	2.5	7
37	Exploiting interface form birefringence in vertical microcavities. *Microelectronic Engineering*, **1998**, 43-44, 605-610	2.5	
36	Electron effective mass determination in asymmetric modulation-doped field-effect transistor heterostructures using InxGa1As quantum well and InAsGaAs superlattice channels. *Superlattices and Microstructures*, **1998**, 23, 1019-1025	2.8	3
35	Magneto-optical oscillations in the photoluminescence of quantum wells and the resonant polaron effect. *Physica B: Condensed Matter*, **1998**, 256-258, 367-370	2.8	
34	Electrical and optical correlation in the study of the depopulation effect in asymmetric quantum wells. *Physical Review B*, **1998**, 58, 6720-6723	3.3	3

33	Cyclotron resonance in asymmetric modulation-doped field-effect transistor heterostructures using InxGa1−xAs quantum well and InAs/GaAs superlattice channels. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1997**, 15, 1697		4
32	Effect of Te as a surfactant on the optical properties of InAs self-assembled quantum dots. *Applied Physics Letters*, **1997**, 71, 521-523	3.4	11
31	Interface form birefringence in native oxided microcavities. *Journal of Applied Physics*, **1997**, 82, 1500-1502	2.5	
30	Oscillatory behavior of magneto-optical interband emissions in asymmetric quantum well structures. *Superlattices and Microstructures*, **1997**, 21, 591-595	2.8	2
29	Quasiperiodic microfacets on the surface of AlGaAs/GaAs quantum well structures grown by molecular beam epitaxy on (311)A high-index substrates. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1996**, 14, 3555		4
28	An image is worth a thousand rays. *Physics Teacher*, **1996**, 34, 432-433	0.4	2
27	Left and right tunnelling times of electrons from quantum wells in double-barrier heterostructures investigated by the stabilization method. *Journal of Physics Condensed Matter*, **1994**, 6, 887-898	1.8	18
26	Dependence of conduction-band effective mass on quaternary alloy composition of (In0.52Al0.48As)z(In0.53Ga0.47As)1−z lattice matched to InP. *Applied Physics Letters*, **1993**, 63, 1804-1806	3.4	11
25	Γ-X intervalley transfer in single AlAs barriers under hydrostatic pressure. *Applied Physics Letters*, **1993**, 62, 1955-1957	3.4	19
24	Coupling between in-plane and longitudinal motion in resonant tunnelling structures. *Semiconductor Science and Technology*, **1993**, 8, 1810-1814	1.8	1
23	Γ-X intervalley tunneling in InAs/AlSb resonant tunneling diodes. *Applied Physics Letters*, **1993**, 62, 1385-1387	3.4	11
22	Interband tunneling through a heavy hole state. *Journal of Applied Physics*, **1993**, 74, 6443-6445	2.5	0
21	Hamiltonian nonseparability and its consequences in semiconductor heterostructures subjected to high longitudinal magnetic fields. *Physica B: Condensed Matter*, **1993**, 184, 263-267	2.8	1
20	Measurement of the anisotropy of the hole dispersion curves in an AlAs/GaAs/AlAs quantum well grown on a (311)A orientated substrate. *Semiconductor Science and Technology*, **1992**, 7, 1080-1084	1.8	2
19	Resonant magnetotunnelling spectroscopy: a direct probe of the complicated dispersion curves and negative mass behaviour of holes confined in a quantum well. *Surface Science*, **1992**, 263, 199-206	1.8	12
18	The influence of a two- or three-dimensional electron gas in the emitter of resonant tunnelling structures. *Surface Science*, **1992**, 267, 383-387	1.8	3
17	Ballistic electron contributions in vertically integrated resonant tunneling diodes. *Superlattices and Microstructures*, **1991**, 10, 175-178	2.8	
16	High-pressure investigation of an (InAl)As-(InGa)As resonant tunnelling double-barrier structure. *Semiconductor Science and Technology*, **1991**, 6, 449-453	1.8	2

15	Investigation of resonant tunnelling from miniband emitter states in double barrier structures based on (AlGa)As/GaAs using high magnetic fields. *Semiconductor Science and Technology*, **1991**, 6, 626-630	1.8	10
14	Nonparabolicity effects in resonant-tunneling structures. *Physical Review B*, **1991**, 44, 6224-6230	3.3	8
13	Influence of ballistic electrons on the device characteristics of vertically integrated resonant tunneling diodes. *Applied Physics Letters*, **1991**, 58, 1482-1484	3.4	8
12	Probing the hole dispersion curves of a quantum well using resonant magnetotunneling spectroscopy. *Physical Review Letters*, **1991**, 66, 1749-1752	7.4	199
11	Phonon Emission Processes in (GaIn)As/(AlIn)As Double Barrier Diodes. *NATO ASI Series Series B: Physics*, **1991**, 183-191		
10	Pressure Investigation of Tunneling in an InAlAs-InGaAs Double Barrier Structure. *Acta Physica Polonica A*, **1991**, 79, 199-202	0.6	
9	Magnetotransport measurements in heterostructures. *Superlattices and Microstructures*, **1990**, 8, 245-248	2.8	2
8	The (InGa)As-(InAl)As resonant tunnelling double barrier structure subjected to a transverse magnetic field. *Superlattices and Microstructures*, **1990**, 7, 415-418	2.8	5
7	Transverse self-phase modulation in ruby and GdAlO_3:Cr^+3 crystals. *Journal of the Optical Society of America B: Optical Physics*, **1990**, 7, 1445	1.7	29
6	Resonant-tunneling effects in a parabolic quantum well obtained by application of crossed magnetic and electric fields in a semiconductor quantum barrier. *Physical Review B*, **1989**, 39, 8760-8763	3.3	8
5	AlAs and InAs mode LO phonon emission assisted tunneling in (InGa)As/(AlIn)As double barrier structures. *Solid-State Electronics*, **1989**, 32, 1191-1195	1.7	9
4	The current density in a double-barrier heterostructure subjected to a transverse magnetic field. The importance of the Ky. *Solid-State Electronics*, **1989**, 32, 1689-1693	1.7	1
3	Resonant tunneling through AlxGa1−xAs?GaAs heterostructures. *Superlattices and Microstructures*, **1988**, 4, 245-250	2.8	9
2	Calculation of the diamagnetic shift in resonant-tunneling double-barrier GaAs/AlxGa1-xAs heterostructures. *Physical Review B*, **1988**, 38, 13482-13485	3.3	11
1	Stark states in semiconductor quantum wells and superlattices. *Superlattices and Microstructures*, **1987**, 3, 175-179	2.8	13