

Luiz Cury

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104
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1,107
ext. citations

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3.6
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#	Paper	IF	Citations
104	Probing the hole dispersion curves of a quantum well using resonant magnetotunneling spectroscopy. <i>Physical Review Letters</i> , 1991 , 66, 1749-1752	7.4	199
103	Temperature effects on the vibronic spectra of BEHPPV conjugated polymer films. <i>Journal of Chemical Physics</i> , 2003 , 119, 9777-9782	3.9	59
102	Light transmission through porcelain. <i>Dental Materials</i> , 2007 , 23, 1363-8	5.7	50
101	High photoluminescence quantum yield due to intramolecular energy transfer in the Super Yellow conjugated copolymer. <i>Chemical Physics Letters</i> , 2010 , 490, 76-79	2.5	34
100	Identification of the optically active vibrational modes in the photoluminescence of MEH-PPV films. <i>Journal of Chemical Physics</i> , 2008 , 128, 094902	3.9	34
99	Transverse self-phase modulation in ruby and GdAlO ₃ :Cr ³⁺ crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1990 , 7, 1445	1.7	29
98	Electron paramagnetic resonance signature of point defects in neutron-irradiated hexagonal boron nitride. <i>Physical Review B</i> , 2018 , 98,	3.3	28
97	Langmuir-Blodgett and Langmuir-Schaefer films of poly(5-amino-1-naphthol) conjugated polymer. <i>Applied Surface Science</i> , 2006 , 253, 543-548	6.7	27
96	Synthesis of a Phenazine-Based 1,2,3-Triazole from Naturally Occurring Naphthoquinone Designed as a Probe for Cd ²⁺ Ions. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 703-709	3.2	23
95	One pot synthesis of fluorescent conjugated materials: immobilization of phenyleneethynylene polyelectrolytes in silica confined ionogels. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13588		20
94	EX intervalley transfer in single AlAs barriers under hydrostatic pressure. <i>Applied Physics Letters</i> , 1993 , 62, 1955-1957	3.4	19
93	Correlation between thermal, optical and morphological properties of heterogeneous blends of poly(3-hexylthiophene) and thermoplastic polyurethane. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 7529-42	1.8	18
92	Left and right tunnelling times of electrons from quantum wells in double-barrier heterostructures investigated by the stabilization method. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, 887-898	1.8	18
91	Long range energy transfer in conjugated polymer sequential bilayers. <i>Journal of Chemical Physics</i> , 2011 , 134, 104903	3.9	17
90	The effect of potential fluctuations on the optical properties of InGaAs/AlAs superlattices. <i>Journal of Applied Physics</i> , 2005 , 97, 103518	2.5	17
89	Amoxicillin photodegradation under visible light catalyzed by metal-free carbon nitride: An investigation of the influence of the structural defects. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123713	12.8	17
88	BEHP-PPV and P3HT blends for light emitting devices. <i>Materials Science and Engineering C</i> , 2009 , 29, 571-574	8.3	16

87	Asymmetric line shape in the emission spectra of conjugated polymer thin films: an experimental signature of one-dimensional electronic states. <i>Journal of Chemical Physics</i> , 2004 , 121, 3836-9	3.9	14
86	Growth kinetics of CdTe colloidal nanocrystals. <i>Journal of Chemical Physics</i> , 2009 , 131, 084712	3.9	13
85	Synthesis and electrochemical and optical characterization of poly(3-octadecylthiophene). <i>Synthetic Metals</i> , 2008 , 158, 1037-1042	3.6	13
84	Large blue shift in the absorption spectra of BEH-PPV films containing gold nanoparticles. <i>Synthetic Metals</i> , 2003 , 139, 283-286	3.6	13
83	Stark states in semiconductor quantum wells and superlattices. <i>Superlattices and Microstructures</i> , 1987 , 3, 175-179	2.8	13
82	Resonant magnetotunnelling spectroscopy: a direct probe of the complicated dispersion curves and negative mass behaviour of holes confined in a quantum well. <i>Surface Science</i> , 1992 , 263, 199-206	1.8	12
81	Effect of Te as a surfactant on the optical properties of InAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 1997 , 71, 521-523	3.4	11
80	Dependence of conduction-band effective mass on quaternary alloy composition of $(\text{In}_{0.52}\text{Al}_{0.48}\text{As})_z(\text{In}_{0.53}\text{Ga}_{0.47}\text{As})_{1-z}$ lattice matched to InP. <i>Applied Physics Letters</i> , 1993 , 63, 1804-1806	3.4	11
79	δX intervalley tunneling in InAs/AlSb resonant tunneling diodes. <i>Applied Physics Letters</i> , 1993 , 62, 1385-1387	3.7	11
78	Calculation of the diamagnetic shift in resonant-tunneling double-barrier GaAs/Al _x Ga _{1-x} As heterostructures. <i>Physical Review B</i> , 1988 , 38, 13482-13485	3.3	11
77	Exchange with temperature of the electron-vibrational mode interaction between thienylene-phenylene copolymer rings. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 964-971	2.6	10
76	Investigation of resonant tunnelling from miniband emitter states in double barrier structures based on (AlGa)As/GaAs using high magnetic fields. <i>Semiconductor Science and Technology</i> , 1991 , 6, 626-630	1.8	10
75	AlAs and InAs mode LO phonon emission assisted tunneling in (InGa)As/(AlIn)As double barrier structures. <i>Solid-State Electronics</i> , 1989 , 32, 1191-1195	1.7	9
74	Resonant tunneling through Al _x Ga _{1-x} As/GaAs heterostructures. <i>Superlattices and Microstructures</i> , 1988 , 4, 245-250	2.8	9
73	Gain coefficient method for amplified spontaneous emission in thin waveguided film of a conjugated polymer. <i>Applied Physics Letters</i> , 2008 , 93, 163307	3.4	8
72	Electric force microscopy investigation of a MEH-PPV conjugated polymer blend: robustness or frailty?. <i>Ultramicroscopy</i> , 2008 , 108, 302-8	3.1	8
71	Nonparabolicity effects in resonant-tunneling structures. <i>Physical Review B</i> , 1991 , 44, 6224-6230	3.3	8
70	Influence of ballistic electrons on the device characteristics of vertically integrated resonant tunneling diodes. <i>Applied Physics Letters</i> , 1991 , 58, 1482-1484	3.4	8

69	Resonant-tunneling effects in a parabolic quantum well obtained by application of crossed magnetic and electric fields in a semiconductor quantum barrier. <i>Physical Review B</i> , 1989 , 39, 8760-8763	3.3	8
68	Spectroscopic studies of different poly3hexylthiophene chain environments in a polyfluorene matrix. <i>Journal of Luminescence</i> , 2016 , 172, 118-123	3.8	7
67	LED and Halogen Light Transmission through a CAD/CAM Lithium Disilicate Glass-Ceramic. <i>Brazilian Dental Journal</i> , 2015 , 26, 648-53	1.9	7
66	Avoiding trap states in poly(n-vinylcarbazole) thin films. <i>Organic Electronics</i> , 2012 , 13, 2843-2849	3.5	7
65	Arrhenius analysis optical transitions in strained InGaAsP quantum wells. <i>Journal of Applied Physics</i> , 1999 , 86, 537-542	2.5	7
64	Exciton polariton emission from a resonantly excited GaAs microcavity. <i>Brazilian Journal of Physics</i> , 2004 , 34, 1473-1477	1.2	7
63	Indirect consequences of exciplex states on the phosphorescence lifetime of phenazine-based 1,2,3-triazole luminescent probes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 3473-3479	3.6	6
62	Optically active vibrational modes in the photoluminescence line shape of BDMO-PPV films. <i>Journal of Luminescence</i> , 2011 , 131, 2189-2194	3.8	6
61	Rhodium(III)-Catalyzed C-H/N-H Alkyne Annulation of Nonsymmetric 2-Aryl (Benz)imidazole Derivatives: Photophysical and Mechanistic Insights. <i>Journal of Organic Chemistry</i> , 2021 , 86, 264-278	4.2	6
60	Characterization of high-purity ⁸² Se-enriched ZnSe for double-beta decay bolometer/scintillation detectors. <i>Journal of Applied Physics</i> , 2018 , 123, 085704	2.5	5
59	Electro-optical interfacial effects on a graphene/π-conjugated organic semiconductor hybrid system. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 963-974	3	5
58	Understanding molecular interactions in light-emitting polymer bilayers: The role of solvents and molecular structure on the interface quality. <i>Applied Physics Letters</i> , 2014 , 104, 163301	3.4	5
57	Interfacial exciplex formation in bilayers of conjugated polymers. <i>Journal of Chemical Physics</i> , 2013 , 139, 164908	3.9	5
56	The dependence of the amplified spontaneous emission on the waveguide excitation length for high quantum efficiency conjugated polymers. <i>Organic Electronics</i> , 2011 , 12, 1142-1145	3.5	5
55	Optical properties of MEH-PPV conjugated polymer covered by silica nanoshells. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 5620-5626	2.9	5
54	Absorption and photoluminescence of a new thienyleneπphenylene copolymer. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 3685-3688	3.9	5
53	AFM studies of poly (5-amino-1-naphthol) ultrathin films obtained by associating Langmuir-Schaefer and Langmuir-Blodgett methods. <i>Synthetic Metals</i> , 2004 , 145, 147-151	3.6	5
52	Optical studies of strain effects in quantum wells grown on (311) and (100) GaAs substrates. <i>Physical Review B</i> , 2001 , 64,	3.3	5

51	The (InGa)As-(InAl)As resonant tunnelling double barrier structure subjected to a transverse magnetic field. <i>Superlattices and Microstructures</i> , 1990 , 7, 415-418	2.8	5
50	Vibronic singlet and triplet steady-state interplay emissions in phenazine-based 1,2,3-triazole films. <i>Chemical Physics Letters</i> , 2018 , 695, 176-182	2.5	4
49	Temperature resolved aggregate states in dialkoxyphenylene-thiophene oligomer. <i>Chemical Physics Letters</i> , 2014 , 614, 67-71	2.5	4
48	Quasiperiodic microfacets on the surface of AlGaAs/GaAs quantum well structures grown by molecular beam epitaxy on (311)A high-index substrates. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2007 , 15, 1697		4
47	Cyclotron resonance in asymmetric modulation-doped field-effect transistor heterostructures using In _x Ga _{1-x} As quantum well and InAs/GaAs superlattice channels. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1997 , 15, 1697		4
46	Poly(2-methoxy-5-(2-ethyl-hexyloxy)-1,4-phenylenevinylene) conjugated polymer domains in a thermoplastic polyurethane matrix. <i>Journal of Applied Physics</i> , 2007 , 101, 033133	2.5	4
45	Dependence of the vibronic emission on self-absorption and reemission processes in conjugated polymers. <i>Journal of Applied Physics</i> , 2006 , 100, 093105	2.5	4
44	Measurement of the Emitted Light Polarization State in Oriented and Non-Oriented PPV Films. <i>Macromolecular Symposia</i> , 2006 , 245-246, 406-409	0.8	4
43	Dynamics of aggregated states resolved by gated fluorescence in films of room temperature phosphorescent emitters. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 3814-3821	3.6	3
42	Fluorescence of a Natural Fluorophore as a Key to Improve Fingerprint Contrast Image. <i>Journal of Forensic Sciences</i> , 2019 , 64, 1867-1872	1.8	3
41	STM-electroluminescence from clustered CN nanodomains synthesized via green chemistry process. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 742-747	8.9	3
40	Response to Comment on Gain coefficient method for amplified spontaneous emission in thin waveguided film of a conjugated polymer [Appl. Phys. Lett. 94, 106101 (2009)]. <i>Applied Physics Letters</i> , 2009 , 94, 106102	3.4	3
39	Electron effective mass determination in asymmetric modulation-doped field-effect transistor heterostructures using In _x Ga _{1-x} As quantum well and InAs/GaAs superlattice channels. <i>Superlattices and Microstructures</i> , 1998 , 23, 1019-1025	2.8	3
38	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. <i>Journal of Applied Physics</i> , 2008 , 104, 043106	2.5	3
37	Nanowires and nanoribbons formed by methylphosphonic acid. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3071-80	1.3	3
36	Study of [Thienylene-dialkoxy phenylene] Conjugated Materials. <i>Macromolecular Symposia</i> , 2005 , 229, 194-196	0.8	3
35	Electrical and optical correlation in the study of the depopulation effect in asymmetric quantum wells. <i>Physical Review B</i> , 1998 , 58, 6720-6723	3.3	3
34	The influence of a two- or three-dimensional electron gas in the emitter of resonant tunnelling structures. <i>Surface Science</i> , 1992 , 267, 383-387	1.8	3

33	Interface engineering to probe exciton energy transfer mechanism in conjugated polymer bilayers. <i>Organic Electronics</i> , 2014 , 15, 3501-3505	3.5	2
32	Current bistability in a weakly coupled multi-quantum well structure: a magnetic field induced memory effect. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 145109	3	2
31	Size Selective Precipitation of CdSe Colloidal Quantum Dots 2010 ,		2
30	Oscillatory behavior of magneto-optical interband emissions in asymmetric quantum well structures. <i>Superlattices and Microstructures</i> , 1997 , 21, 591-595	2.8	2
29	Conjugated polymers encapsulated with microspheres of polyvinyl alcohol. <i>Synthetic Metals</i> , 2005 , 153, 45-48	3.6	2
28	Spectral Redistribution of Waveguided Emission in BEH-PPV Films. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 374, 445-450	0.5	2
27	An image is worth a thousand rays. <i>Physics Teacher</i> , 1996 , 34, 432-433	0.4	2
26	High-pressure investigation of an (InAl)As-(InGa)As resonant tunnelling double-barrier structure. <i>Semiconductor Science and Technology</i> , 1991 , 6, 449-453	1.8	2
25	Measurement of the anisotropy of the hole dispersion curves in an AlAs/GaAs/AlAs quantum well grown on a (311)A orientated substrate. <i>Semiconductor Science and Technology</i> , 1992 , 7, 1080-1084	1.8	2
24	Magnetotransport measurements in heterostructures. <i>Superlattices and Microstructures</i> , 1990 , 8, 245-248	3.8	2
23	Investigations on the interaction of water-soluble semiconductor polymer with thioglycolic acid (TGA) capped CdTe quantum dots. <i>Optical Materials</i> , 2019 , 93, 70-75	3.3	1
22	New directly electrosynthesized metal-free copolymeric NIR emitters based on EDOT-[thiophene-carboxamide]-fluorene like donor-acceptor systems. <i>Synthetic Metals</i> , 2019 , 250, 161-171	3.6	1
21	A simplified model for direct experimental determination of energy transfer quantum efficiency as a function of donor-acceptor interaction distance. <i>Applied Physics Letters</i> , 2018 , 112, 053301	3.4	1
20	Optically active vibrational modes of PPV derivatives on textile substrate. <i>Journal of Luminescence</i> , 2013 , 134, 374-384	3.8	1
19	Measurement of interchain and intrachain exciton hopping barriers in luminescent polymer. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 015801	1.8	1
18	Self-organized MEH-PPV domains in a TPU matrix and the consequences to the luminescence spectra. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 3659-3664	2.9	1
17	Coupling between in-plane and longitudinal motion in resonant tunnelling structures. <i>Semiconductor Science and Technology</i> , 1993 , 8, 1810-1814	1.8	1
16	Hamiltonian nonseparability and its consequences in semiconductor heterostructures subjected to high longitudinal magnetic fields. <i>Physica B: Condensed Matter</i> , 1993 , 184, 263-267	2.8	1

15	The current density in a double-barrier heterostructure subjected to a transverse magnetic field. The importance of the Ky. <i>Solid-State Electronics</i> , 1989 , 32, 1689-1693	1.7	1
14	All-perylene-derivative for white light emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 20744-20750	3.6	1
13	Multi-conformational monomer and dimer steady-states in domains of a few molecules: the consequences on the phosphorescence emission bands. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 21966-21971	3.6	1
12	β -carotene and oleic acid contributions to the optical properties of amazonic oils. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 347, 93-97	4.7	0
11	Poly(3-hexylthiophene)/multi-walled carbon nanotube composites: electrochemical and optical characterization. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1143, 10201		0
10	Interband tunneling through a heavy hole state. <i>Journal of Applied Physics</i> , 1993 , 74, 6443-6445	2.5	0
9	Neutron-induced point defects and luminescence properties of enriched Zn ⁸² Se crystals. <i>Journal of Applied Physics</i> , 2021 , 130, 054502	2.5	0
8	Interface form birefringence in native oxidized microcavities. <i>Journal of Applied Physics</i> , 1997 , 82, 1500-1502		
7	Exploiting interface form birefringence in vertical microcavities. <i>Microelectronic Engineering</i> , 1998 , 43-44, 605-610	2.5	
6	Magneto-optical oscillations in the photoluminescence of quantum wells and the resonant polaron effect. <i>Physica B: Condensed Matter</i> , 1998 , 256-258, 367-370	2.8	
5	Ballistic electron contributions in vertically integrated resonant tunneling diodes. <i>Superlattices and Microstructures</i> , 1991 , 10, 175-178	2.8	
4	Phonon Emission Processes in (GaIn)As/(AlIn)As Double Barrier Diodes. <i>NATO ASI Series Series B: Physics</i> , 1991 , 183-191		
3	Pressure Investigation of Tunneling in an InAlAs-InGaAs Double Barrier Structure. <i>Acta Physica Polonica A</i> , 1991 , 79, 199-202	0.6	
2	Aggregation-Induced Emission and Temperature-Dependent Luminescence of Potassium Perylenetetracarboxylate. <i>Journal of Fluorescence</i> , 2021 , 31, 1855-1862	2.4	
1	Multi-conformational Luminescence and Phosphorescence of Few Phenazine 1,2,3-triazole Molecules.. <i>Journal of Fluorescence</i> , 2022 , 1	2.4	