Marco Anni

List of Publications by Year in Descending Order

115 papers	3,051 citations	27 h-index	51 g-index
125 ext. papers	3,274 ext. citations	4.5 avg, IF	5.08 L-index

#	Paper	IF	Citations
115	Light Emission Properties of Thermally Evaporated CHNHPbBr Perovskite from Nano- to Macro-Scale: Role of Free and Localized Excitons.. *Nanomaterials*, **2022**, 12,	5.4	1
114	Amplified Spontaneous Emission in low dimensional lead halide perovskites: An overview. *Optical Materials: X*, **2021**, 12, 100115	1.7	0
113	Investigation of the exciton relaxation processes in poly(9,9-dioctylfluorene--benzothiadiazole):CsPbIBr nanocrystal hybrid polymer-perovskite nanocrystal blend.. *RSC Advances*, **2021**, 11, 33531-33539	3.7	0
112	Local Morphology Effects on the Photoluminescence Properties of Thin CsPbBr Nanocrystal Films. *Nanomaterials*, **2021**, 11,	5.4	6
111	Unveiling photophysical and photonic phenomena by means of optical gain measurements in waveguides and solutions. *Optics and Laser Technology*, **2021**, 136, 106766	4.2	2
110	Amplified spontaneous emission in thin films of quasi-2D BAMAPbBr lead halide perovskites. *Nanoscale*, **2021**, 13, 8893-8900	7.7	4
109	Quantitative Comparison between the Smartphone Based Experiments for the Gravity Acceleration Measurement at Home. *Education Sciences*, **2021**, 11, 493	2.2	0
108	Environment-Induced Reversible Modulation of Optical and Electronic Properties of Lead Halide Perovskites and Possible Applications to Sensor Development: A Review. *Molecules*, **2021**, 26,	4.8	6
107	Determination of the Best Empiric Method to Quantify the Amplified Spontaneous Emission Threshold in Polymeric Active Waveguides. *Molecules*, **2020**, 25,	4.8	3
106	Investigation of the Role of the Environment on the Photoluminescence and the Exciton Relaxation of CsPbBr3 Nanocrystals Thin Films. *Applied Sciences (Switzerland)*, **2020**, 10, 2148	2.6	6
105	Origin of Amplified Spontaneous Emission Degradation in MAPbBr3 Thin Films under Nanosecond-UV Laser Irradiation. *Journal of Physical Chemistry C*, **2020**, 124, 10696-10704	3.8	8
104	Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] (MeH-PPV) Amplified Spontaneous Emission Optimization in Poly(9,9-dioctylfluorene(PFO):MeH-PPV Active Blends. *Journal of Luminescence*, **2019**, 215, 116680	3.8	6
103	Random Lasing Engineering in Poly-(9-9dioctylfluorene) Active Waveguides Deposited on Wrinkles Corrugated Surfaces. *ACS Applied Materials & Interfaces*, **2019**, 11, 9385-9393	9.5	12
102	Dual band amplified spontaneous emission in the blue in Poly(9,9-dioctylfluorene) thin films with phase separated glassy and □phases. *Optical Materials*, **2019**, 96, 109313	3.3	6
101	Polymer-II-VI Nanocrystals Blends: Basic Physics and Device Applications to Lasers and LEDs. *Nanomaterials*, **2019**, 9,	5.4	14
100	Amplified Spontaneous Emission and Lasing in Lead Halide Perovskites: State of the Art and Perspectives. *Applied Sciences (Switzerland)*, **2019**, 9, 4591	2.6	34
99	Deep Blue Light Amplification from a Novel Triphenylamine Functionalized Fluorene Thin Film. *Molecules*, **2019**, 25,	4.8	4

98	Colloidal CdSe Quantum Wells with Graded Shell Composition for Low-Threshold Amplified Spontaneous Emission and Highly Efficient Electroluminescence. *ACS Nano*, **2019**, 13, 13899-13909	16.7	35
97	Amplified Spontaneous Emission Threshold Reduction and Operational Stability Improvement in CsPbBr Nanocrystals Films by Hydrophobic Functionalization of the Substrate. *Scientific Reports*, **2019**, 9, 17964	4.9	28
96	On the homogeneity of the external quantum efficiency in a free OPV roll-to-roll flexible solar module. *Synthetic Metals*, **2019**, 247, 248-254	3.6	3
95	Temperature Dependence of the Amplified Spontaneous Emission from CsPbBr3 Nanocrystal Thin Films. *Journal of Physical Chemistry C*, **2018**, 122, 5813-5819	3.8	51
94	Full-color tuning in binary polymer:perovskite nanocrystals organic-inorganic hybrid blends. *Applied Physics Letters*, **2018**, 112, 171904	3.4	10
93	Amplified Spontaneous Emission Properties of Solution Processed CsPbBr3 Perovskite Thin Films. *Journal of Physical Chemistry C*, **2017**, 121, 14772-14778	3.8	49
92	Low threshold Amplified Spontaneous Emission properties in deep blue of poly[(9,9-dioctylfluorene-2,7-dyil)-alt-p-phenylene] thin films. *Optical Materials*, **2017**, 72, 765-768	3.3	13
91	Deposition of Y thin films by nanosecond UV pulsed laser ablation for photocathode application. *Thin Solid Films*, **2016**, 603, 441-445	2.2	8
90	On the correlation between morphology and Amplified Spontaneous Emission properties of a polymer: Polymer blend. *Organic Electronics*, **2016**, 29, 44-49	3.5	20
89	Fabrication of free-standing ordered fluorescent polymer nanofibres by electrospinning. *Applied Physics Letters*, **2015**, 106, 173301	3.4	4
88	MAPLE-deposited PFO films: influence of the laser fluence and repetition rate on the film emission and morphology. *Applied Physics B: Lasers and Optics*, **2015**, 119, 453-461	1.9	9
87	Study of spatial inhomogeneity in inverted all-polymer solar cells: Effect of solvent and annealing. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 804-813	2.6	2
86	Amplified Spontaneous Emission Optimization in Regioregular Poly(3-hexylthiophene) (rrP3HT):poly(9,9-dioctylfluorene-co-benzothiadiazole) (F8BT) Thin Films through Control of the Morphology. *Journal of Physical Chemistry C*, **2015**, 119, 21620-21625	3.8	14
85	Characterization by Confocal Laser Scanning Microscopy of the Phase Composition at Interfaces in Thick Films of Polymer Blends. *Journal of Polymers*, **2014**, 2014, 1-10		1
84	Excitation Density Dependence of Optical Oxygen Sensing in Poly(9,9-dioctylfluorene) Waveguides Showing Amplified Spontaneous Emission. *ISRN Materials Science*, **2014**, 2014, 1-5		2
83	On the spatial inhomogeneity of charge generation and collection in inverted all polymer solar cells. *Applied Physics Letters*, **2013**, 103, 053305	3.4	4
82	Photodegradation effects on the emission properties of an amplifying poly(9,9-dioctylfluorene) active waveguide operating in air. *Journal of Physical Chemistry B*, **2012**, 116, 4655-60	3.4	6
81	Charge Transients by Variable Wavelength Optical Pulses in CdTe Nuclear Detectors. *IEEE Transactions on Nuclear Science*, **2012**, 59, 1569-1574	1.7	16

80	Operational lifetime improvement of poly(9,9-dioctylfluorene) active waveguides by thermal lamination. *Applied Physics Letters*, **2012**, 101, 013303	3.4	2
79	Thickness dependence of the amplified spontaneous emission threshold and operational stability in poly(9,9-dioctylfluorene) active waveguides. *Journal of Applied Physics*, **2012**, 111, 093109	2.5	31
78	Study of the series resistance evolution in organic solar cells by use of the Lambert W function. *Synthetic Metals*, **2011**, 161, 949-952	3.6	15
77	Substrate/semiconductor interface effects on the emission efficiency of luminescent polymers. *Journal of Applied Physics*, **2011**, 110, 044504	2.5	14
76	Charge transients by variable wavelength optical pulses in CdTe nuclear detectors **2011**,		1
75	A flexible organic random laser based on poly(9,9-dioctylfluorene) deposited on a surface corrugated poly-phthalate-carbonate substrate. *Applied Physics Letters*, **2011**, 98, 253304	3.4	15
74	Interplay between amplified spontaneous emission, Forster resonant energy transfer, and self-absorption in hybrid poly(9,9-dioctylfluorene)-CdSe/ZnS nanocrystal thin films. *Journal of Physical Chemistry A*, **2010**, 114, 2086-90	2.8	13
73	Oxygen optical gas sensing by reversible fluorescence quenching in photo-oxidized poly(9,9-dioctylfluorene) thin films. *Journal of Physical Chemistry B*, **2010**, 114, 1559-61	3.4	18
72	Dependence of the surface roughness of MAPLE-deposited films on the solvent parameters. *Applied Physics A: Materials Science and Processing*, **2010**, 101, 759-764	2.6	22
71	Pulsed laser deposition of organic and biological materials. *Journal of Materials Science: Materials in Electronics*, **2009**, 20, 435-440	2.1	13
70	Study of temperature dependence and angular distribution of poly(9,9-dioctylfluorene) polymer films deposited by matrix-assisted pulsed laser evaporation (MAPLE). *Applied Surface Science*, **2009**, 255, 9659-9664	6.7	15
69	Ultrafast carrier dynamics and confined acoustic phonons in CdSe nanorods. *Journal of Optics*, **2008**, 10, 064004		8
68	Singlet to triplet excitation spectrum of thin film tris-(8-hydroxyquinolate)-aluminium in direct absorption. *Synthetic Metals*, **2008**, 158, 1062-1066	3.6	3
67	Microscopic Investigation of the ExcitonsUntermolecular Energy Migration in the Phase of Poly(9,9-dioctylfluorene) by Confocal Laser Spectroscopy. *Journal of Physical Chemistry C*, **2008**, 112, 2958-2963	3.8	3
66	The role of the phase content on the stimulated emission of poly(9,9-dioctylfluorene) thin films. *Applied Physics Letters*, **2008**, 93, 023308	3.4	14
65	Spectral effects of gain saturation in the phase of poly(9,9-dioctylfluorene). *Applied Physics Letters*, **2008**, 93, 123311	3.4	4
64	Temperature dependence of the amplified spontaneous emission of the poly(9,9-dioctylfluorene) phase. *Physical Review B*, **2008**, 78,	3.3	6
63	Shell thickness dependence of exciton trapping in colloidal core/shell nanorods. *Journal of Luminescence*, **2008**, 128, 361-365	3.8	5

62	The influence of intrinsic and surface states on the emission properties of colloidal nanocrystals. *Superlattices and Microstructures*, **2008**, 43, 528-531	2.8	2
61	Bicolor Pixels from a Single Active Molecular Material by Surface-Tension-Driven Deposition. *Advanced Materials*, **2007**, 19, 1597-1602	24	18
60	Fabrication of disordered photonic crystal structures for organic random lasing devices. *Microelectronic Engineering*, **2007**, 84, 1581-1584	2.5	5
59	The Role of Intrinsic and Surface States on the Emission Properties of Colloidal CdSe and CdSe/ZnS Quantum Dots. *Nanoscale Research Letters*, **2007**, 2, 512-514	5	19
58	Matrix-assisted pulsed laser evaporation of polyfluorene thin films. *Applied Surface Science*, **2007**, 253, 6461-6464	6.7	20
57	Real-time investigation of solvent swelling induced β-phase formation in poly(9,9-dioctylfluorene). *Physical Review B*, **2007**, 76,	3.3	22
56	Role of defect states on Auger processes in resonantly pumped CdSe nanorods. *Applied Physics Letters*, **2007**, 91, 093106	3.4	8
55	Temperature and Size Dependence of Nonradiative Relaxation and Exciton−Phonon Coupling in Colloidal CdTe Quantum Dots. *Journal of Physical Chemistry C*, **2007**, 111, 5846-5849	3.8	122
54	Picosecond Photoluminescence Decay Time in Colloidal Nanocrystals: The Role of Intrinsic and Surface States. *Journal of Physical Chemistry C*, **2007**, 111, 10541-10545	3.8	44
53	Intermolecular sequential energy transfer in thin films of a white emitting copolymer. *Applied Physics Letters*, **2006**, 89, 221903	3.4	4
52	Interplay between stimulated emission and singlet-singlet annihilation in oligothiophene dioxide thin films. *Journal of Applied Physics*, **2006**, 100, 023530	2.5	9
51	Efficient stimulated emission due to bimolecular annihilation reduction in oligothiophene dioxide thin films. *Applied Physics Letters*, **2006**, 89, 051111	3.4	5
50	The role of excitons Quasiequilibrium in the temperature dependence of the poly(9,9-dioctylfluorene) beta phase photoluminescence. *Journal of Chemical Physics*, **2006**, 124, 134707	3.9	16
49	Role of the shell thickness in stimulated emission and photoinduced absorption in CdSe core/shell nanorods. *Physical Review B*, **2006**, 73,	3.3	38
48	Microscopic investigation of the poly(9,9-dioctylfluorene) photoluminescence dependence on the deposition conditions by confocal laser microscopy. *Applied Physics Letters*, **2006**, 88, 181906	3.4	21
47	Low electrode induced optical losses in organic active single layer polyfluorene waveguides with two indium tin oxide electrodes deposited by pulsed laser deposition. *Applied Physics Letters*, **2006**, 89, 031108	3.4	15
46	Optical properties of N-succinimidyl bithiophene and the effects of the binding to biomolecules: comparison between coupled-cluster and time-dependent density functional theory calculations and experiments. *Journal of Physical Chemistry B*, **2006**, 110, 18651-60	3.4	23
45	Bright oligothiophene N-succinimidyl esters for efficient fluorescent labeling of proteins and oligonucleotides. *Bioconjugate Chemistry*, **2006**, 17, 58-67	6.3	52

44	Optical gain in fluorenyl-thiophene co-oligomer thin films. *Optical Materials*, **2006**, 28, 1072-1075	3.3	4
43	Nonradiative relaxation in thiophene-S,S-dioxide derivatives: the role of the environment. *Journal of Physical Chemistry B*, **2005**, 109, 6004-11	3.4	19
42	First-order imprinted organic distributed feedback lasers. *Synthetic Metals*, **2005**, 153, 237-240	3.6	19
41	Temperature dependence of the photoluminescence properties of colloidal CdSe□ZnS core/shell quantum dots embedded in a polystyrene matrix. *Physical Review B*, **2005**, 71,	3.3	355
40	Tailoring the emission spectrum of colloidal nanocrystals by means of lithographically-imprinted hybrid vertical microcavities **2005**, 5840, 168		2
39	Fabrication of hybrid organic□inorganic vertical microcavities through imprint technology. *Microelectronic Engineering*, **2005**, 78-79, 593-597	2.5	4
38	V-Shaped Thiophene-Based Oligomers with Improved Electroluminescence Properties. *Advanced Functional Materials*, **2005**, 15, 664-670	15.6	61
37	Bright White Organic Light-Emitting Devices from a Single Active Molecular Material. *Advanced Materials*, **2005**, 17, 34-39	24	239
36	Ultrafast carrier dynamics in core and core/shell CdSe quantum rods: Role of the surface and interface defects. *Physical Review B*, **2005**, 72,	3.3	70
35	Modes interaction and light transport in bidimensional organic random lasers in the weak scattering limit. *Physical Review B*, **2004**, 70,	3.3	21
34	Vibrational fluorescence spectroscopy of single conjugated polymer molecules. *Physical Review B*, **2004**, 70,	3.3	38
33	The effects of oxygenation on the optical properties of dimethyl-dithienothiophenes: comparison between experiments and first-principles calculations. *Journal of Chemical Physics*, **2004**, 121, 3784-91	3.9	15
32	Poly(□vinyl-□alkyloligothiophene) Side-Chain Polymers. Synthesis, Fluorescence, and Morphology. *Macromolecules*, **2004**, 37, 5692-5702	5.5	52
31	Emission properties of organic random lasers. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 450-453		4
30	Effects of intermolecular interactions on photoluminescence efficiency of crystalline thienylene-S,S-dioxide molecular semiconductors. *Organic Electronics*, **2004**, 5, 129-134	3.5	8
29	Amplified spontaneous emission in the near infrared from a dye-doped polymer thin film. *Synthetic Metals*, **2004**, 143, 305-307	3.6	21
28	F□ster energy transfer from blue-emitting polymers to colloidal CdSe□ZnS core shell quantum dots. *Applied Physics Letters*, **2004**, 85, 4169-4171	3.4	138
27	Organic Optoelectronics: The Case of Oligothiophenes **2003**, 241-291		4

26	New Branched Thiophene-Based Oligomers for Bright Organic Light-Emitting Devices. *Advanced Materials*, **2003**, 15, 2060-2063	24	50
25	Low threshold tunable lasing from a new substituted thiophene-based oligomer. *Synthetic Metals*, **2003**, 137, 1485-1486	3.6	2
24	Flexible organic distributed feedback structures by soft lithography. *Synthetic Metals*, **2003**, 137, 1057-1058	3.6	12
23	Optical properties of functionalized thiophenes: a theoretical and experimental study. *Synthetic Metals*, **2003**, 139, 897-899	3.6	9
22	Organic laser based on thiophene derivatives. *Synthetic Metals*, **2003**, 139, 901-903	3.6	17
21	Defect-assisted photoluminescence intensity enhancement in poly(p-phenylene vinylene) films probed by time-resolved photoluminescence. *Physical Review B*, **2003**, 68,	3.3	5
20	Far-field emission and feedback origin of random lasing in oligothiophene dioxide neat films. *Applied Physics Letters*, **2003**, 83, 2754-2756	3.4	25
19	Linewidth-limited energy transfer in single conjugated polymer molecules. *Physical Review Letters*, **2003**, 91, 267403	7.4	104
18	Organic microcavities based on thermally evaporated TeOx-LiF dielectric mirrors. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 13, 451-454	3	4
17	White light from blue: white emitting organic LEDs based on spin coated blends of blue-emitting molecules. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 13, 1243-1246	3	24
16	Amplified spontaneous emission and efficient tunable laser emission from a substituted thiophene-based oligomer. *Applied Physics Letters*, **2002**, 81, 3534-3536	3.4	98
15	Amplified spontaneous emission from a soluble thiophene-based oligomer. *Applied Physics Letters*, **2001**, 78, 2679-2681	3.4	28
14	Single-mode tunable organic laser based on an electroluminescent oligothiophene. *Applied Physics Letters*, **2001**, 79, 4082-4084	3.4	39
13	White light emission from blends of blue-emitting organic molecules: A general route to the white organic light-emitting diode?. *Applied Physics Letters*, **2001**, 79, 560-562	3.4	159
12	Organic cavities based on thermally evaporated TeOx-LiF distributed Bragg reflectors. *Applied Physics Letters*, **2001**, 79, 1381-1383	3.4	16
11	Photoluminescence Efficiency of Substituted Quaterthiophene Crystals. *Physical Review Letters*, **2001**, 86, 167-170	7.4	44
10	Multicolor oligothiophene-based light-emitting diodes. *Applied Physics Letters*, **2001**, 78, 1493-1495	3.4	85
9	A novel electroluminescent oligothiophene. *Synthetic Metals*, **2001**, 119, 581-582	3.6	15

8	Tunable white light generation by modified oligothiophenes blends. *Synthetic Metals*, **2001**, 121, 1509-1510	3.10	3
7	Tunable Optical Gain from Soluble Thiophene-Based Oligomers. *Materials Research Society Symposia Proceedings*, **2001**, 665, 1		3
6	Excitonic and Free Carrier Recombination in InxGa1−xAs/GaAs V-Shaped Quantum Wire for Different In Content. *Physica Status Solidi A*, **2000**, 178, 243-248		1
5	Time-resolved magneto-optical properties of V-shaped single quantum wires. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 7, 536-540	3	1
4	Correlation between shape and electronic states in nanostructures. *Micron*, **2000**, 31, 245-51	2.3	6
3	Time-resolved magnetospectroscopy of InxGa1−xAs/GaAs V-shaped quantum wires. *Physical Review B*, **2000**, 61, 12658-12661	3.3	5
2	Tuning Solid-State Photoluminescence Frequencies and Efficiencies of Oligomers Containing One Central Thiophene-S,S-dioxide Unit. *Journal of the American Chemical Society*, **2000**, 122, 11971-11978	16.4	134
1	Color engineering by modified oligothiophene blends. *Applied Physics Letters*, **2000**, 77, 2458-2460	3.4	51