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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Temperature dependence of the photoluminescence properties of colloidal CdSe/ZnS core/shell quantum dots embedded in a polystyrene matrix. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	355
114	Bright White Organic Light-Emitting Devices from a Single Active Molecular Material. <i>Advanced Materials</i> , <b>2005</b> , 17, 34-39	24	239
113	White light emission from blends of blue-emitting organic molecules: A general route to the white organic light-emitting diode?. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 560-562	3.4	159
112	Faster energy transfer from blue-emitting polymers to colloidal CdSe/ZnS core shell quantum dots. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 4169-4171	3.4	138
111	Tuning Solid-State Photoluminescence Frequencies and Efficiencies of Oligomers Containing One Central Thiophene-S,S-dioxide Unit. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11971-11978	16.4	134
110	Temperature and Size Dependence of Nonradiative Relaxation and Exciton-Phonon Coupling in Colloidal CdTe Quantum Dots. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 5846-5849	3.8	122
109	Linewidth-limited energy transfer in single conjugated polymer molecules. <i>Physical Review Letters</i> , <b>2003</b> , 91, 267403	7.4	104
108	Amplified spontaneous emission and efficient tunable laser emission from a substituted thiophene-based oligomer. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3534-3536	3.4	98
107	Multicolor oligothiophene-based light-emitting diodes. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 1493-1495	3.4	85
106	Ultrafast carrier dynamics in core and core/shell CdSe quantum rods: Role of the surface and interface defects. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	70
105	V-Shaped Thiophene-Based Oligomers with Improved Electroluminescence Properties. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 664-670	15.6	61
104	Bright oligothiophene N-succinimidyl esters for efficient fluorescent labeling of proteins and oligonucleotides. <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 58-67	6.3	52
103	Poly(Evinyl-Alkyloligothiophene) Side-Chain Polymers. Synthesis, Fluorescence, and Morphology. <i>Macromolecules</i> , <b>2004</b> , 37, 5692-5702	5.5	52
102	Temperature Dependence of the Amplified Spontaneous Emission from CsPbBr <sub>3</sub> Nanocrystal Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 5813-5819	3.8	51
101	Color engineering by modified oligothiophene blends. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 2458-2460	3.4	51
100	New Branched Thiophene-Based Oligomers for Bright Organic Light-Emitting Devices. <i>Advanced Materials</i> , <b>2003</b> , 15, 2060-2063	24	50
99	Amplified Spontaneous Emission Properties of Solution Processed CsPbBr <sub>3</sub> Perovskite Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 14772-14778	3.8	49

98	Picosecond Photoluminescence Decay Time in Colloidal Nanocrystals: The Role of Intrinsic and Surface States. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 10541-10545	3.8	44
97	Photoluminescence Efficiency of Substituted Quaterthiophene Crystals. <i>Physical Review Letters</i> , <b>2001</b> , 86, 167-170	7.4	44
96	Single-mode tunable organic laser based on an electroluminescent oligothiophene. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 4082-4084	3.4	39
95	Role of the shell thickness in stimulated emission and photoinduced absorption in CdSe core/shell nanorods. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	38
94	Vibrational fluorescence spectroscopy of single conjugated polymer molecules. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	38
93	Colloidal CdSe Quantum Wells with Graded Shell Composition for Low-Threshold Amplified Spontaneous Emission and Highly Efficient Electroluminescence. <i>ACS Nano</i> , <b>2019</b> , 13, 13899-13909	16.7	35
92	Amplified Spontaneous Emission and Lasing in Lead Halide Perovskites: State of the Art and Perspectives. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4591	2.6	34
91	Thickness dependence of the amplified spontaneous emission threshold and operational stability in poly(9,9-dioctylfluorene) active waveguides. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 093109	2.5	31
90	Amplified spontaneous emission from a soluble thiophene-based oligomer. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 2679-2681	3.4	28
89	Amplified Spontaneous Emission Threshold Reduction and Operational Stability Improvement in CsPbBr Nanocrystals Films by Hydrophobic Functionalization of the Substrate. <i>Scientific Reports</i> , <b>2019</b> , 9, 17964	4.9	28
88	Far-field emission and feedback origin of random lasing in oligothiophene dioxide neat films. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2754-2756	3.4	25
87	White light from blue: white emitting organic LEDs based on spin coated blends of blue-emitting molecules. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 13, 1243-1246	3	24
86	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. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 18651-60	3.4	23
85	Dependence of the surface roughness of MAPLE-deposited films on the solvent parameters. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 101, 759-764	2.6	22
84	Real-time investigation of solvent swelling induced $\pi$ phase formation in poly(9,9-dioctylfluorene). <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	22
83	Microscopic investigation of the poly(9,9-dioctylfluorene) photoluminescence dependence on the deposition conditions by confocal laser microscopy. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 181906	3.4	21
82	Modes interaction and light transport in bidimensional organic random lasers in the weak scattering limit. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	21
81	Amplified spontaneous emission in the near infrared from a dye-doped polymer thin film. <i>Synthetic Metals</i> , <b>2004</b> , 143, 305-307	3.6	21

80	On the correlation between morphology and Amplified Spontaneous Emission properties of a polymer: Polymer blend. <i>Organic Electronics</i> , <b>2016</b> , 29, 44-49	3.5	20
79	Matrix-assisted pulsed laser evaporation of polyfluorene thin films. <i>Applied Surface Science</i> , <b>2007</b> , 253, 6461-6464	6.7	20
78	The Role of Intrinsic and Surface States on the Emission Properties of Colloidal CdSe and CdSe/ZnS Quantum Dots. <i>Nanoscale Research Letters</i> , <b>2007</b> , 2, 512-514	5	19
77	Nonradiative relaxation in thiophene-S,S-dioxide derivatives: the role of the environment. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 6004-11	3.4	19
76	First-order imprinted organic distributed feedback lasers. <i>Synthetic Metals</i> , <b>2005</b> , 153, 237-240	3.6	19
75	Oxygen optical gas sensing by reversible fluorescence quenching in photo-oxidized poly(9,9-dioctylfluorene) thin films. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 1559-61	3.4	18
74	Bicolor Pixels from a Single Active Molecular Material by Surface-Tension-Driven Deposition. <i>Advanced Materials</i> , <b>2007</b> , 19, 1597-1602	24	18
73	Organic laser based on thiophene derivatives. <i>Synthetic Metals</i> , <b>2003</b> , 139, 901-903	3.6	17
72	Charge Transients by Variable Wavelength Optical Pulses in CdTe Nuclear Detectors. <i>IEEE Transactions on Nuclear Science</i> , <b>2012</b> , 59, 1569-1574	1.7	16
71	The role of excitons/quasiequilibrium in the temperature dependence of the poly(9,9-dioctylfluorene) beta phase photoluminescence. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 134707	3.9	16
70	Organic Cavities based on thermally evaporated TeOx-LiF distributed Bragg reflectors. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1381-1383	3.4	16
69	Study of the series resistance evolution in organic solar cells by use of the Lambert W Function. <i>Synthetic Metals</i> , <b>2011</b> , 161, 949-952	3.6	15
68	Study of temperature dependence and angular distribution of poly(9,9-dioctylfluorene) polymer films deposited by matrix-assisted pulsed laser evaporation (MAPLE). <i>Applied Surface Science</i> , <b>2009</b> , 255, 9659-9664	6.7	15
67	A flexible organic random laser based on poly(9,9-dioctylfluorene) deposited on a surface corrugated poly-phthalate-carbonate substrate. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 253304	3.4	15
66	Low electrode induced optical losses in organic active single layer polyfluorene waveguides with two indium tin oxide electrodes deposited by pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 031108	3.4	15
65	The effects of oxygenation on the optical properties of dimethyl-dithienothiophenes: comparison between experiments and first-principles calculations. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 3784-91	3.9	15
64	A novel electroluminescent oligothiophene. <i>Synthetic Metals</i> , <b>2001</b> , 119, 581-582	3.6	15
63	Amplified Spontaneous Emission Optimization in Regioregular Poly(3-hexylthiophene) (rrP3HT):poly(9,9-dioctylfluorene-co-benzothiadiazole) (F8BT) Thin Films through Control of the Morphology. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 21620-21625	3.8	14

62	Polymer-II-VI Nanocrystals Blends: Basic Physics and Device Applications to Lasers and LEDs. <i>Nanomaterials</i> , <b>2019</b> , 9, 5-4 14
61	Substrate/semiconductor interface effects on the emission efficiency of luminescent polymers. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 044504 2.5 14
60	The role of the $\pi$ -phase content on the stimulated emission of poly(9,9-dioctylfluorene) thin films. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 023308 3.4 14
59	Low threshold Amplified Spontaneous Emission properties in deep blue of poly[(9,9-dioctylfluorene-2,7-diyl)-alt-p-phenylene] thin films. <i>Optical Materials</i> , <b>2017</b> , 72, 765-768 3.3 13
58	Interplay between amplified spontaneous emission, Forster resonant energy transfer, and self-absorption in hybrid poly(9,9-dioctylfluorene)-CdSe/ZnS nanocrystal thin films. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 2086-90 2.8 13
57	Pulsed laser deposition of organic and biological materials. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2009</b> , 20, 435-440 2.1 13
56	Random Lasing Engineering in Poly-(9-9dioctylfluorene) Active Waveguides Deposited on Wrinkles Corrugated Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9385-9393 9.5 12
55	Flexible organic distributed feedback structures by soft lithography. <i>Synthetic Metals</i> , <b>2003</b> , 137, 1057-1058 9.8 12
54	Full-color tuning in binary polymer:perovskite nanocrystals organic-inorganic hybrid blends. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 171904 3.4 10
53	MAPLE-deposited PFO films: influence of the laser fluence and repetition rate on the film emission and morphology. <i>Applied Physics B: Lasers and Optics</i> , <b>2015</b> , 119, 453-461 1.9 9
52	Interplay between stimulated emission and singlet-singlet annihilation in oligothiophene dioxide thin films. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 023530 2.5 9
51	Optical properties of functionalized thiophenes: a theoretical and experimental study. <i>Synthetic Metals</i> , <b>2003</b> , 139, 897-899 3.6 9
50	Origin of Amplified Spontaneous Emission Degradation in MAPbBr <sub>3</sub> Thin Films under Nanosecond-UV Laser Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 10696-10704 3.8 8
49	Deposition of Y thin films by nanosecond UV pulsed laser ablation for photocathode application. <i>Thin Solid Films</i> , <b>2016</b> , 603, 441-445 2.2 8
48	Ultrafast carrier dynamics and confined acoustic phonons in CdSe nanorods. <i>Journal of Optics</i> , <b>2008</b> , 10, 064004 8
47	Role of defect states on Auger processes in resonantly pumped CdSe nanorods. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 093106 3.4 8
46	Effects of intermolecular interactions on photoluminescence efficiency of crystalline thienylene-S,S-dioxide molecular semiconductors. <i>Organic Electronics</i> , <b>2004</b> , 5, 129-134 3.5 8
45	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. <i>Journal of Luminescence</i> , <b>2019</b> , 215, 116680 3.8 6

44	Investigation of the Role of the Environment on the Photoluminescence and the Exciton Relaxation of CsPbBr <sub>3</sub> Nanocrystals Thin Films. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2148	2.6	6
43	Dual band amplified spontaneous emission in the blue in Poly(9,9-dioctylfluorene) thin films with phase separated glassy and $\beta$ phases. <i>Optical Materials</i> , <b>2019</b> , 96, 109313	3.3	6
42	Photodegradation effects on the emission properties of an amplifying poly(9,9-dioctylfluorene) active waveguide operating in air. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 4655-60	3.4	6
41	Temperature dependence of the amplified spontaneous emission of the poly(9,9-dioctylfluorene) $\beta$ phase. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	6
40	Correlation between shape and electronic states in nanostructures. <i>Micron</i> , <b>2000</b> , 31, 245-51	2.3	6
39	Local Morphology Effects on the Photoluminescence Properties of Thin CsPbBr Nanocrystal Films. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
38	Environment-Induced Reversible Modulation of Optical and Electronic Properties of Lead Halide Perovskites and Possible Applications to Sensor Development: A Review. <i>Molecules</i> , <b>2021</b> , 26,	4.8	6
37	Fabrication of disordered photonic crystal structures for organic random lasing devices. <i>Microelectronic Engineering</i> , <b>2007</b> , 84, 1581-1584	2.5	5
36	Shell thickness dependence of exciton trapping in colloidal core/shell nanorods. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 361-365	3.8	5
35	Efficient stimulated emission due to bimolecular annihilation reduction in oligothiophene dioxide thin films. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 051111	3.4	5
34	Defect-assisted photoluminescence intensity enhancement in poly(p-phenylene vinylene) films probed by time-resolved photoluminescence. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	5
33	Time-resolved magnetospectroscopy of In <sub>x</sub> Ga <sub>1-x</sub> As/GaAs V-shaped quantum wires. <i>Physical Review B</i> , <b>2000</b> , 61, 12658-12661	3.3	5
32	Fabrication of free-standing ordered fluorescent polymer nanofibres by electrospinning. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 173301	3.4	4
31	On the spatial inhomogeneity of charge generation and collection in inverted all polymer solar cells. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 053305	3.4	4
30	Spectral effects of gain saturation in the $\beta$ phase of poly(9,9-dioctylfluorene). <i>Applied Physics Letters</i> , <b>2008</b> , 93, 123311	3.4	4
29	Intermolecular sequential energy transfer in thin films of a white emitting copolymer. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 221903	3.4	4
28	Optical gain in fluorenyl-thiophene co-oligomer thin films. <i>Optical Materials</i> , <b>2006</b> , 28, 1072-1075	3.3	4
27	Organic Optoelectronics: The Case of Oligothiophenes <b>2003</b> , 241-291		4

26	Emission properties of organic random lasers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 450-453		4
25	Organic microcavities based on thermally evaporated TeO <sub>x</sub> -LiF dielectric mirrors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 13, 451-454	3	4
24	Fabrication of hybrid organic/inorganic vertical microcavities through imprint technology. <i>Microelectronic Engineering</i> , <b>2005</b> , 78-79, 593-597	2.5	4
23	Deep Blue Light Amplification from a Novel Triphenylamine Functionalized Fluorene Thin Film. <i>Molecules</i> , <b>2019</b> , 25,	4.8	4
22	Amplified spontaneous emission in thin films of quasi-2D BAMAPbBr lead halide perovskites. <i>Nanoscale</i> , <b>2021</b> , 13, 8893-8900	7.7	4
21	Determination of the Best Empiric Method to Quantify the Amplified Spontaneous Emission Threshold in Polymeric Active Waveguides. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
20	Singlet to triplet excitation spectrum of thin film tris-(8-hydroxyquinolate)-aluminium in direct absorption. <i>Synthetic Metals</i> , <b>2008</b> , 158, 1062-1066	3.6	3
19	Microscopic Investigation of the Excitons/Intermolecular Energy Migration in the $\pi$ Phase of Poly(9,9-dioctylfluorene) by Confocal Laser Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 2958-2963	3.8	3
18	Tunable white light generation by modified oligothiophenes blends. <i>Synthetic Metals</i> , <b>2001</b> , 121, 1509-1510	3.10	3
17	Tunable Optical Gain from Soluble Thiophene-Based Oligomers. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 665, 1		3
16	On the homogeneity of the external quantum efficiency in a free OPV roll-to-roll flexible solar module. <i>Synthetic Metals</i> , <b>2019</b> , 247, 248-254	3.6	3
15	Study of spatial inhomogeneity in inverted all-polymer solar cells: Effect of solvent and annealing. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 804-813	2.6	2
14	Excitation Density Dependence of Optical Oxygen Sensing in Poly(9,9-dioctylfluorene) Waveguides Showing Amplified Spontaneous Emission. <i>ISRN Materials Science</i> , <b>2014</b> , 2014, 1-5		2
13	Operational lifetime improvement of poly(9,9-dioctylfluorene) active waveguides by thermal lamination. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 013303	3.4	2
12	The influence of intrinsic and surface states on the emission properties of colloidal nanocrystals. <i>Superlattices and Microstructures</i> , <b>2008</b> , 43, 528-531	2.8	2
11	Low threshold tunable lasing from a new substituted thiophene-based oligomer. <i>Synthetic Metals</i> , <b>2003</b> , 137, 1485-1486	3.6	2
10	Tailoring the emission spectrum of colloidal nanocrystals by means of lithographically-imprinted hybrid vertical microcavities <b>2005</b> , 5840, 168		2
9	Unveiling photophysical and photonic phenomena by means of optical gain measurements in waveguides and solutions. <i>Optics and Laser Technology</i> , <b>2021</b> , 136, 106766	4.2	2



8	Characterization by Confocal Laser Scanning Microscopy of the Phase Composition at Interfaces in Thick Films of Polymer Blends. <i>Journal of Polymers</i> , <b>2014</b> , 2014, 1-10		1
7	Charge transients by variable wavelength optical pulses in CdTe nuclear detectors <b>2011</b> ,		1
6	Excitonic and Free Carrier Recombination in InxGa1-xAs/GaAs V-Shaped Quantum Wire for Different In Content. <i>Physica Status Solidi A</i> , <b>2000</b> , 178, 243-248		1
5	Time-resolved magneto-optical properties of V-shaped single quantum wires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2000</b> , 7, 536-540	3	1
4	Light Emission Properties of Thermally Evaporated CHNHPbBr Perovskite from Nano- to Macro-Scale: Role of Free and Localized Excitons.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	1
3	Amplified Spontaneous Emission in low dimensional lead halide perovskites: An overview. <i>Optical Materials: X</i> , <b>2021</b> , 12, 100115	1.7	0
2	Investigation of the exciton relaxation processes in poly(9,9-dioctylfluorene--benzothiadiazole):CsPbIBr nanocrystal hybrid polymer-perovskite nanocrystal blend.. <i>RSC Advances</i> , <b>2021</b> , 11, 33531-33539	3.7	0
1	Quantitative Comparison between the Smartphone Based Experiments for the Gravity Acceleration Measurement at Home. <i>Education Sciences</i> , <b>2021</b> , 11, 493	2.2	0