

Jean Michel Nunzi

List of Publications by Year in descending order

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364
all docs

364
docs citations

364
times ranked

7288
citing authors

#	ARTICLE	IF	CITATIONS
1	How to model the behaviour of organic photovoltaic cells. <i>Polymer International</i> , 2006, 55, 583-600.	3.1	358
2	Organic photovoltaic materials and devices. <i>Comptes Rendus Physique</i> , 2002, 3, 523-542.	0.9	297
3	Anisotropy of the photo-induced translation diffusion of azobenzene dyes in polymer matrices. <i>Journal of Optics</i> , 1998, 7, 71-82.	0.5	270
4	Light-induced second-harmonic generation in azo-dye polymers. <i>Optics Letters</i> , 1993, 18, 941.	3.3	199
5	A nonvolatile memory element based on an organic field-effect transistor. <i>Applied Physics Letters</i> , 2004, 85, 1823-1825.	3.3	182
6	Development of air stable polymer solar cells using an inverted gold on top anode structure. <i>Thin Solid Films</i> , 2005, 476, 340-343.	1.8	164
7	Quasi-permanent all-optical encoding of noncentrosymmetry in azo-dye polymers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997, 14, 1984.	2.1	152
8	First evidence of stimulated emission from a monolithic organic single crystal: β -Octithiophene. <i>Advanced Materials</i> , 1997, 9, 1178-1181.	21.0	148
9	Organic materials for photovoltaic applications: Review and mechanism. <i>Synthetic Metals</i> , 2014, 190, 20-26.	3.9	139
10	Anisotropy of the photoinduced translation diffusion of azo-dyes. <i>Optical Materials</i> , 1998, 9, 323-328.	3.6	123
11	Efficient polymer-based interpenetrated network photovoltaic cells. <i>Applied Physics Letters</i> , 2004, 84, 2178-2180.	3.3	121
12	Rubrene/Fullerene Heterostructures with a Half-bandgap Electroluminescence Threshold and Large Photovoltage. <i>Advanced Materials</i> , 2007, 19, 3613-3617.	21.0	109
13	Spontaneous Patterning of Hexagonal Structures in an Azo-Polymer Using Light-Controlled Mass Transport. <i>Advanced Materials</i> , 2002, 14, 729.	21.0	103
14	Molecular migration mechanism for laser induced surface relief grating formation. <i>Synthetic Metals</i> , 2000, 115, 121-125.	3.9	100
15	Picosecond photoinduced dichroism in solutions of thiophene oligomers. <i>Chemical Physics Letters</i> , 1992, 192, 566-570.	2.6	96
16	β -Sexithiophene; A new photochromic material for a prototype ultrafast incoherent-to-coherent optical converter. <i>Advanced Materials</i> , 1994, 6, 64-67.	21.0	94
17	Efficient flexible and thermally stable pentacene/C60 small molecule based organic solar cells. <i>Applied Physics Letters</i> , 2006, 89, 213506.	3.3	94
18	Picosecond light-induced noncentrosymmetry in a dye solution. <i>Physical Review Letters</i> , 1992, 68, 2440-2443.	7.8	80

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19	Laser emission in periodically modulated polymer films. <i>Journal of Applied Physics</i> , 2001, 89, 3067-3069.	2.5	78
20	Six-wave mixing probe of light-induced second-harmonic generation: example of dye solutions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994, 11, 2347.	2.1	77
21	Light-induced second-harmonic generation in an octupolar dye. <i>Optics Letters</i> , 1995, 20, 2469.	3.3	77
22	Picosecond phase conjugation in polydiacetylene gels. <i>Journal of Applied Physics</i> , 1987, 62, 2198-2202.	2.5	76
23	Second harmonic generation in zinc oxide nanorods. <i>Applied Physics B: Lasers and Optics</i> , 2006, 84, 351-355.	2.2	75
24	Transient optically induced non-centrosymmetry in a solution of octupolar molecules. <i>Chemical Physics Letters</i> , 1994, 219, 349-354.	2.6	73
25	Phase separation in polystyrene-poly(vinylmethylether) blends: a fluorescence emission analysis. <i>Polymer</i> , 1984, 25, 956-962.	3.8	71
26	Electrode interface effects on indium-tin-oxide polymer/metal light emitting diodes. <i>Applied Physics Letters</i> , 1996, 69, 1071-1073.	3.3	70
27	Improving the current density J_{sc} of organic solar cells P3HT:PCBM by structuring the photoactive layer with functionalized SWCNTs. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, S53-S56.	6.2	70
28	The benefits of ionic liquids for the fabrication of efficient and stable perovskite photovoltaics. <i>Chemical Engineering Journal</i> , 2021, 411, 128461.	12.7	70
29	Pentacene: PTCDI-C13H27 molecular blends efficiently harvest light for solar cell applications. <i>Applied Physics Letters</i> , 2006, 89, 113506.	3.3	69
30	Organic solar cell materials and active layer designs' improvements with carbon nanotubes: a review. <i>Polymer International</i> , 2012, 61, 342-354.	3.1	69
31	Optical limiting in the visible range: molecular engineering around N4,N4'-bis(4-methoxyphenyl)-N4,N4'-diphenyl-4,4'-diaminobiphenyl. <i>Journal of Materials Chemistry</i> , 2003, 13, 2157-2163.	6.7	67
32	Improved performance of pentacene field-effect transistors using a polyimide gate dielectric layer. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 1148-1151.	2.8	65
33	Phase and frequency resolution of picosecond optical Kerr nonlinearities. <i>Optics Letters</i> , 1991, 16, 1987.	3.3	64
34	Third-order nonlinear optical properties and two-photon absorption in branched oligothienylenevinylenes. <i>Optics Communications</i> , 2002, 209, 461-466.	2.1	64
35	Disperse and disordered: a mexylaminotriazine-substituted azobenzene derivative with superior glass and surface relief grating formation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 841-847.	5.5	64
36	Nonlinear Optical Signatures of the Transition from Semiconductor to Semimetal in PtSe ₂ . <i>Laser and Photonics Reviews</i> , 2019, 13, 1900052.	8.7	64

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37	Size effect on organic optoelectronics devices: Example of photovoltaic cell efficiency. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1333-1336.	2.1	61
38	Nanocomposite hole injection layer for organic device applications. Thin Solid Films, 2005, 492, 253-258.	1.8	59
39	Enhanced organic light emitting diode and solar cell performances using silver nano-clusters. Organic Electronics, 2012, 13, 1623-1632.	2.6	58
40	Efficient all-optical poling of an azo-dye copolymer using a low power laser. Optics Communications, 1996, 126, 103-107.	2.1	57
41	Upconversion injection in rubrene/perylene-diimide-heterostructure electroluminescent diodes. Applied Physics Letters, 2007, 90, 263508.	3.3	57
42	Fabrication of planar heterojunction CsPbBr ₂ perovskite solar cells using ZnO as an electron transport layer and improved solar energy conversion efficiency. New Journal of Chemistry, 2018, 42, 14104-14110.	2.8	55
43	Two-photon absorption in non-centrosymmetric dyes. Chemical Physics, 1997, 219, 341-351.	1.9	53
44	Quasi-phase-matched gratings printed by all-optical poling in polymer films. Optics Letters, 2002, 27, 2028.	3.3	53
45	Donor-acceptor complexes incorporating ferrocenes: spectroelectrochemical characterisation, quadratic hyperpolarisabilities and the effects of oxidising and reducing agents. Dalton Transactions RSC, 2001, , 3025-3038.	2.3	51
46	Amphiphilic Phenylene-Ethynylene Oligomers in Langmuir-Blodgett Films. Self-Assembling Multilayers for Electroluminescent Devices. Langmuir, 2000, 16, 4309-4318.	3.5	50
47	Effect of metal cathode reflectance on the exciton-dissociation efficiency in heterojunction organic solar cells. Applied Physics Letters, 2009, 94, 103303.	3.3	50
48	Spray Pyrolyzed TiO ₂ Embedded Multi-Layer Front Contact Design for High-Efficiency Perovskite Solar Cells. Nano-Micro Letters, 2021, 13, 36.	27.0	50
49	Isomerization-Induced Dynamic Heterogeneity in a Glass Former below and above T_g . Physical Review Letters, 2009, 103, 265701.	7.8	49
50	Spontaneous photoinduced patterning of azo-dye polymer films: the facts. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1839.	2.1	48
51	Ambipolar organic field-effect transistor fabricated by co-evaporation of pentacene and N,N'-ditridecylperylene-3,4,9,10-tetracarboxylic diimide. Chemical Physics Letters, 2006, 421, 554-557.	2.6	47
52	Ionic Liquid-Assisted MAPb ₃ Nanoparticle-Seeded Growth for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 21194-21206.	8.0	47
53	Photovoltaic performance of AgInSe ₂ -conjugated polymer hybrid system bulk heterojunction solar cells. Synthetic Metals, 2015, 199, 87-92.	3.9	46
54	Effect of coumarin on blue light-emitting diodes based on carbazol polymers. Journal of Applied Physics, 1998, 83, 4236-4241.	2.5	45

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55	Polymer thin-film distributed feedback tunable lasers. <i>Journal of Optics</i> , 2000, 2, 279-283.	1.5	44
56	An isomerization-induced cage-breaking process in a molecular glass former below T_g . <i>Journal of Chemical Physics</i> , 2011, 134, 114517.	3.0	43
57	Capacitance performance of NiO thin films synthesized by direct and pulse potentiostatic methods. <i>Ionics</i> , 2019, 25, 6025-6033.	2.4	43
58	Metal Oxide Compact Electron Transport Layer Modification for Efficient and Stable Perovskite Solar Cells. <i>Materials</i> , 2020, 13, 2207.	2.9	42
59	Dynamics and efficiency of all-optical poling in polymers. <i>Chemical Physics Letters</i> , 1998, 286, 415-420.	2.6	41
60	Pentacene/perylene co-deposited solar cells. <i>Thin Solid Films</i> , 2006, 511-512, 529-532.	1.8	41
61	Phase-coherent control of the molecular polar order in polymers using dual-frequency interferences between circularly polarized beams. <i>Physical Review A</i> , 1997, 56, 3888-3896.	2.5	39
62	Controlling the optical properties of a conjugated co-polymer through variation of backbone isomerism and the introduction of carbon nanotubes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 144, 31-41.	3.9	39
63	Multistate polarization addressing using a single beam in an azo polymer film. <i>Optics Letters</i> , 2005, 30, 1986.	3.3	38
64	Influence of the polymer dielectric characteristics on the performance of a quaterthiophene organic field-effect transistor. <i>Journal of Materials Science</i> , 2006, 41, 317-322.	3.7	38
65	Distributed feedback laser action from polymeric waveguides doped with oligo phenylene vinylene model compounds. <i>Applied Physics Letters</i> , 2000, 76, 2149-2151.	3.3	37
66	All-optical induction of noncentrosymmetry in a transparent nonlinear polymer rod. <i>Optics Letters</i> , 1997, 22, 1846.	3.3	36
67	Photovoltaic properties of Schottky and n type solar cells based on polythiophene. <i>Journal of Applied Physics</i> , 2001, 90, 1047-1054.	2.5	36
68	Phosphorescent organic light emitting diode efficiency enhancement using functionalized silver nanoparticles. <i>Applied Physics Letters</i> , 2011, 99, 123302.	3.3	36
69	Electronic Transport in the Biopigment Sepia Melanin. <i>ACS Applied Bio Materials</i> , 2020, 3, 5244-5252.	4.6	36
70	Charge transfer in triaryl pyrylium cations. Theoretical and experimental study. <i>Chemical Physics</i> , 1994, 182, 69-80.	1.9	35
71	N-channel organic field-effect transistors using N,N'-ditridecylperylene-3,4,9,10-tetracarboxylic diimide and a polymeric dielectric. <i>Chemical Physics Letters</i> , 2005, 407, 95-99.	2.6	35
72	AgInSe ₂ .PCBM.P3HT inorganic organic blends for hybrid bulk heterojunction photovoltaics. <i>Synthetic Metals</i> , 2015, 200, 102-108.	3.9	35

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73	Synthesis, characterization and photovoltaic applications of noble metal- δ -doped ZnS quantum dots. Chinese Journal of Physics, 2019, 58, 348-362.	3.9	35
74	Near infrared electroluminescence from Nd(TTA) 3 phen in solution-processed small molecule organic light-emitting diodes. Organic Electronics, 2017, 44, 50-58.	2.6	33
75	Double-layer CsI intercalation into an MAPbI ₃ framework for efficient and stable perovskite solar cells. Nano Energy, 2021, 86, 106135.	16.0	33
76	Direct observation of interlayer coherent acoustic phonon dynamics in bilayer and few-layer PtSe ₂ . Photonics Research, 2019, 7, 1416.	7.0	33
77	Bulk luminescent solar concentrators based on organic-inorganic CH ₃ NH ₃ PbBr ₃ perovskite fluorophores. Solar Energy Materials and Solar Cells, 2019, 192, 44-51.	6.2	32
78	Development of sulfonate-functionalized hydroxyapatite nanoparticles for cadmium removal from aqueous solutions. Colloids and Interface Science Communications, 2019, 30, 100178.	4.1	31
79	Spontaneous formation of optically induced surface relief gratings. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 205401.	1.5	28
80	Copper oxide nanoparticle doped bulk-heterojunction photovoltaic devices. Synthetic Metals, 2019, 252, 21-28.	3.9	28
81	Nondegenerate multiwave mixing in polydiacetylene: phase conjugation with frequency conversion. Journal of the Optical Society of America B: Optical Physics, 1991, 8, 570.	2.1	27
82	Charge-transfer complexes of discogenic molecules : a time-resolved study based on Kerr ellipsometry. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 37.	1.7	27
83	Molecular rectification in oriented polymer structures. Advanced Materials, 1997, 9, 809-811.	21.0	27
84	Theoretical molecular engineering for nonlinear absorption by two-photon absorption in the visible. Journal of Optics, 2000, 2, 284-288.	1.5	27
85	Metal plasmon enhanced europium complex luminescence. Journal of Luminescence, 2010, 130, 56-59.	3.1	27
86	Influence of the polymer dielectric characteristics on the performance of pentacene organic field-effect transistors. Solid-State Electronics, 2008, 52, 179-181.	1.4	25
87	Surface relief grating growth in thin films of methylaminotriazine-functionalized glass-forming azobenzene derivatives. New Journal of Chemistry, 2015, 39, 9162-9170.	2.8	25
88	Influence of the dopant concentration on structural, optical and photovoltaic properties of Cu-doped ZnS nanocrystals based bulk heterojunction hybrid solar cells. EPJ Applied Physics, 2017, 78, 34811.	0.7	25
89	Interfacial modification of the electron collecting layer of low-temperature solution-processed organometallic halide photovoltaic cells using an amorphous perylene diimide. Solar Energy Materials and Solar Cells, 2017, 160, 294-300.	6.2	25
90	Synthesis and properties of alumina-hydroxyapatite composites from natural phosphate for phenol removal from water. Colloids and Interface Science Communications, 2019, 31, 100188.	4.1	25

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91	Picosecond photoinduced dichroism in sexithiophene thin films. <i>Chemical Physics Letters</i> , 1993, 215, 114-119.	2.6	24
92	Picosecond optical Kerr ellipsometry determination of S1?Sn absorption spectra of xanthene dyes. <i>Applied Physics B: Lasers and Optics</i> , 1998, 66, 439-444.	2.2	24
93	Photochromism of styryl cyanine dyes in solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 112, 187-190.	3.9	24
94	Study of orientation induced molecular rectification in polymer films. <i>Optical Materials</i> , 1998, 9, 316-322.	3.6	24
95	Organolithium reagents bearing nonlinear optical chromophores. Synthesis of triarylmethane dyes. <i>Tetrahedron Letters</i> , 1999, 40, 7413-7416.	1.4	24
96	Reverse biased annealing: Effective post treatment tool for polymer/nano-composite solar cells. <i>Organic Electronics</i> , 2007, 8, 396-400.	2.6	24
97	Tunable circularly polarized lasing emission in reflection distributed feedback dye lasers. <i>Optics Express</i> , 2008, 16, 16746.	3.4	24
98	Near infrared emission in rubrene:fullerene heterojunction devices. <i>Chemical Physics Letters</i> , 2009, 474, 141-145.	2.6	24
99	Optical modeling of the ultimate efficiency of pentacene: N, Nâ€²-ditridecylperylene-3, 4, 9, 10-tetracarboxylic diimideâ€“blend solar cells. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	23
100	Determination of the two-photon absorption spectrum of a soluble polythiophene. <i>Chemical Physics Letters</i> , 1993, 201, 357-363.	2.6	22
101	Isomerization-induced surface relief gratings formation: A comparison between the probe and the matrix dynamics. <i>Journal of Chemical Physics</i> , 2010, 133, 044902.	3.0	22
102	Photoinduced deformation of azopolymer nanometric spheres. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	22
103	Mesoporous nanocrystalline sulfonated hydroxyapatites enhance heavy metal removal and antimicrobial activity. <i>Separation and Purification Technology</i> , 2021, 255, 117777.	7.9	22
104	Low-temperature treated anatase TiO2 nanophotonic-structured contact design for efficient triple-cation perovskite solar cells. <i>Chemical Engineering Journal</i> , 2021, 426, 131831.	12.7	22
105	Layer-modulated two-photon absorption in MoS ₂ : probing the shift of the excitonic dark state and band-edge. <i>Photonics Research</i> , 2019, 7, 762.	7.0	22
106	Light-induced orientation of a low absorbing phosphine oxide azo-dye/PMMA copolymer: towards a trade-off between transparency and photoinduced non-linearity. <i>Chemical Physics Letters</i> , 1997, 271, 335-340.	2.6	21
107	Allâ€“optical manipulation of azoâ€“dye molecules. <i>Macromolecular Symposia</i> , 1999, 137, 105-113.	0.7	21
108	Structural, optical and photovoltaic properties of P3HT and Mn-doped CdS quantum dots based bulk heterojunction hybrid layers. <i>Optical Materials</i> , 2018, 78, 132-141.	3.6	21

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109	Photocatalytic degradation of emerging antibiotic pollutants in waters by TiO ₂ /Hydroxyapatite nanocomposite materials. <i>Surfaces and Interfaces</i> , 2021, 24, 101155.	3.0	21
110	All-optical poling in polymers: dynamical aspects and perspectives. <i>Journal of Optics</i> , 1998, 7, 141-150.	0.5	20
111	A nonvolatile memory element based on a quaterthiophene field-effect transistor. <i>Materials Letters</i> , 2005, 59, 1165-1168.	2.6	20
112	One step inscription of surface relief microgratings. <i>Optics Communications</i> , 2007, 280, 217-220.	2.1	20
113	Synthesis, characterization and photovoltaic performance of novel glass-forming perylenediimide derivatives. <i>Organic Electronics</i> , 2016, 34, 146-156.	2.6	20
114	Optical phase conjugation and related experiments with surface plasma waves. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1984, 35, 209-216.	1.5	19
115	Light-harvesting fullerenes for organic solar cells. <i>EPJ Applied Physics</i> , 2006, 36, 301-305.	0.7	19
116	Efficient and low cost inverted hybrid bulk heterojunction solar cells. <i>Journal of Renewable and Sustainable Energy</i> , 2015, 7, .	2.0	19
117	Efficient inverted hybrid solar cells using both CuO and P3HT as an electron donor materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6478-6483.	2.2	19
118	Effect of thermal annealing on the electrical properties of P3HT:PC70BM nanocomposites. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 575-581.	4.0	19
119	Simple Unbiased Hot-Electron Polarization-Sensitive Near-Infrared Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11862-11871.	8.0	19
120	Blue light-emitting diodes with doped polymers. <i>Synthetic Metals</i> , 1996, 81, 197-200.	3.9	18
121	Nonlinear optical properties of push-pull stilbenes based on a strong carbocation acceptor moiety. <i>Journal of Chemical Physics</i> , 1999, 111, 7486-7492.	3.0	18
122	Cognitive Ability Experiment with Photosensitive Organic Molecular Thin Films. <i>Physical Review Letters</i> , 2006, 97, 048701.	7.8	18
123	Unraveling the nucleation and growth of spontaneous surface relief gratings. <i>Optical Materials</i> , 2016, 62, 378-391.	3.6	18
124	Effect of thermal annealing on the structural, optical and dielectrical properties of P3HT:PC70BM nanocomposites. <i>Materials Research Bulletin</i> , 2016, 78, 141-147.	5.2	18
125	It is an All-Rounder! On the Development of Metal Halide Perovskite-Based Fluorescent Sensors and Radiation Detectors. <i>Advanced Optical Materials</i> , 2021, 9, 2101276.	7.3	18
126	Two-photon absorption resonance in 3-(1,1-dicyanoethenyl)-1-phenyl-4,5-dihydro-1H-pyrazole (DCNP). <i>Chemical Physics Letters</i> , 1998, 287, 17-21.	2.6	17

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127	Synthesis and characterization of p and n dopable interpenetrating polymer networks for organic photovoltaic devices. <i>Thin Solid Films</i> , 2008, 516, 7223-7229.	1.8	17
128	A dye functionalized silver-silica core-shell nanoparticle organic light emitting diode. <i>Organic Electronics</i> , 2011, 12, 1279-1284.	2.6	17
129	Replacement of P3HT and PCBM with metal oxides nanoparticles in inverted hybrid organic solar cells. <i>Synthetic Metals</i> , 2015, 210, 268-272.	3.9	17
130	Synthesis, characterization and photovoltaic performance of Mn-doped ZnS quantum dots- P3HT hybrid bulk heterojunction solar cells. <i>Optical Materials</i> , 2017, 73, 754-762.	3.6	17
131	Structural, optical, electrochemical and photovoltaic studies of spider web like Silver Indium Diselenide Quantum dots synthesized by ligand mediated colloidal sol-gel approach. <i>Optical Materials</i> , 2017, 73, 70-76.	3.6	17
132	Characterization of the two-photon absorption resonance that is due to the internal charge-transfer transition of a push-pull molecule, 4-(diethylamino)- β -nitrostyrene. <i>Optics Letters</i> , 1997, 22, 1132.	3.3	15
133	Incoherent light-induced self-organization of molecules. <i>Optics Letters</i> , 2005, 30, 3177.	3.3	15
134	Cesium Lead Halide Perovskite Nanostructures: Tunable Morphology and Halide Composition. <i>Chemical Record</i> , 2018, 18, 230-238.	5.8	15
135	Novel nonlinear optical organic materials: Dithienylethylenes. <i>Journal of Chemical Physics</i> , 2001, 115, 6179-6184.	3.0	14
136	Air stable hybrid inverted tandem solar cell design. <i>Applied Physics Letters</i> , 2011, 99, 063301.	3.3	14
137	Surface Roughness Characterization of ZnO: TiO ₂ -Organic Blended Solar Cells Layers by Atomic Force Microscopy and Fractal Analysis. <i>International Journal of Nanoscience</i> , 2014, 13, 1450020.	0.7	14
138	Solid-state showdown: Comparing the photovoltaic performance of amorphous and crystalline small-molecule diketopyrrolopyrrole acceptors. <i>Organic Electronics</i> , 2017, 48, 230-240.	2.6	14
139	Efficiency enhancement of ternary blend organic photovoltaic cells with molecular glasses as guest acceptors. <i>Organic Electronics</i> , 2018, 53, 74-82.	2.6	14
140	Hydrophobic chemical surface functionalization of hydroxyapatite nanoparticles for naphthalene removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 595, 124706.	4.7	14
141	Benzo[<i>b</i>]selenophene/thieno[3,2- <i>b</i>]indole-Based N,S,Se-Heteroacenes for Hole-Transporting Layers. <i>ACS Omega</i> , 2020, 5, 9377-9383.	3.5	14
142	Photonic-crystal-based broadband graphene saturable absorber. <i>Optics Letters</i> , 2019, 44, 4785.	3.3	14
143	Picosecond excited states in poly(aryleneethynylene) s. <i>Chemical Physics Letters</i> , 1997, 275, 103-107.	2.6	13
144	One- and two-photon stimulated emission in oligothiophenes single crystals. <i>Optical Materials</i> , 1999, 12, 255-259.	3.6	13

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145	Photochemistry of 2-[(1,3,3-trimethylindoline-2(1H)-ylidene)propen-1-yl]-3,3-dimethylindolino[1,2-b]-oxazolidine in solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 128, 93-96.	3.9	13
146	Molecular engineering of organic materials for nonlinear absorption in the visible range: the excited states of tetraphenyl-diamine derivatives. <i>Journal of Optics</i> , 2000, 2, 268-271.	1.5	13
147	Second harmonic generation diagnostic of layer-by-layer deposition from Disperse Red 1 " functionalized maleic anhydride copolymer. <i>Optical Materials</i> , 2007, 29, 1640-1646.	3.6	13
148	Surface relief grating formation on nano-objects. <i>Applied Physics Letters</i> , 2009, 95, 053102.	3.3	13
149	Requirements for a rectifying antenna solar cell technology. <i>Proceedings of SPIE</i> , 2010, , .	0.8	13
150	Photoinduction of spontaneous surface relief gratings on Azo DR1 glass. <i>Optics Letters</i> , 2016, 41, 2958.	3.3	13
151	Enhanced near-infrared electroluminescence from a neodymium complex in organic light-emitting diodes with a solution-processed exciplex host. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	13
152	Growth and organization of (3-Trimethoxysilylpropyl) diethylenetriamine within reactive amino-terminated self-assembled monolayer on silica. <i>Applied Surface Science</i> , 2020, 508, 145210.	6.1	13
153	Low-Temperature Processed TiO _x Electron Transport Layer for Efficient Planar Perovskite Solar Cells. <i>Nanomaterials</i> , 2020, 10, 1676.	4.1	13
154	Dibenzo[f,h]furazano[3,4-b]quinoxalines: Synthesis by Intramolecular Cyclization through Direct Transition Metal-Free C-H Functionalization and Electrochemical, Photophysical, and Charge Mobility Characterization. <i>ACS Omega</i> , 2020, 5, 8200-8210.	3.5	13
155	Complex third-order phase conjugation nonlinearity of polymeric thin films. <i>Applied Physics Letters</i> , 1991, 59, 13-15.	3.3	12
156	Poling induced improvement of organic polymer device efficiency. <i>Synthetic Metals</i> , 1999, 102, 989-990.	3.9	12
157	Origin of photocurrent generation and collection losses in large area organic solar cells. <i>Applied Physics Letters</i> , 2011, 99, 093309.	3.3	12
158	Solution Processing and Self-Organization of PbS Quantum Dots Passivated with Formamidinium Lead Iodide (FAPbI ₃). <i>ACS Omega</i> , 2020, 5, 15746-15754.	3.5	12
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