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List of Publications by Year in descending order

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67
papers

1,257
citations

331259

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docs citations

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times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-bridged oligo(p-phenylenevinylene)s for photostable and broadly tunable, solution-processable thin film organic lasers. <i>Nature Communications</i> , 2015, 6, 8458.	5.8	105
2	Effect of Structural Modifications in the Spectral and Laser Properties of Perylenediimide Derivatives. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13595-13605.	1.5	67
3	Solution-processed nanographene distributed feedback lasers. <i>Nature Communications</i> , 2019, 10, 3327.	5.8	59
4	1,7-Bis(2,6-dimethylphenyl)-2,9-dimethylperylene-3,4,9,10-tetracarboxylic diimide Substituted Perylenediimide Derivative with Outstanding Laser Performance. <i>Advanced Optical Materials</i> , 2013, 1, 933-938.	3.6	58
5	Tuneability of amplified spontaneous emission through control of the thickness in organic-based waveguides. <i>Journal of Applied Physics</i> , 2005, 97, 093103.	1.1	51
6	Efficient organic distributed feedback lasers with imprinted active films. <i>Optics Express</i> , 2011, 19, 22443.	1.7	47
7	Improved performance of perylenediimide-based lasers. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1182-1191.	2.7	47
8	Highly photostable organic distributed feedback laser emitting at 573 nm. <i>Applied Physics Letters</i> , 2010, 97, 171104.	1.5	43
9	Film thickness and grating depth variation in organic second-order distributed feedback lasers. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	43
10	Amplified spontaneous emission in polymer films doped with a perylenediimide derivative. <i>Applied Optics</i> , 2007, 46, 3836.	2.1	40
11	An Efficient and Color-Tunable Solution-Processed Organic Thin-Film Laser with a Polymeric Top-Layer Resonator. <i>Advanced Optical Materials</i> , 2017, 5, 1700238.	3.6	39
12	Concentration dependence of amplified spontaneous emission in organic-based waveguides. <i>Organic Electronics</i> , 2006, 7, 319-329.	1.4	38
13	Distributed feedback lasers based on perylenediimide dyes for label-free refractive index sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1368-1375.	4.0	29
14	Organic distributed feedback laser for label-free biosensing of ErbB2 protein biomarker. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 261-265.	4.0	28
15	Blue surface-emitting distributed feedback lasers based on TPD-doped films. <i>Applied Optics</i> , 2010, 49, 463.	2.1	25
16	Very Large Photoconduction Enhancement Upon Self-Assembly of a New Triindole Derivative in Solution-Processed Films. <i>Advanced Functional Materials</i> , 2011, 21, 738-745.	7.8	25
17	Influence of the excitation area on the thresholds of organic second-order distributed feedback lasers. <i>Applied Physics Letters</i> , 2012, 101, 223303.	1.5	25
18	Near-Infrared Lasing in Four-Zigzag Edged Nanographenes by 1D versus 2D Electronic Conjugation. <i>Advanced Functional Materials</i> , 2021, 31, 2105073.	7.8	25

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19	Peryleneâ€Fused, Aggregationâ€Free Polycyclic Aromatic Hydrocarbons for Solutionâ€Processed Distributed Feedback Lasers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14927-14934.	7.2	24
20	Phthalocyanines as Efficient Sensitizers in Low- <i>T_g</i> Hole-Conducting Photorefractive Polymer Composites. <i>Chemistry of Materials</i> , 2009, 21, 2714-2720.	3.2	23
21	Influence of Blending Ratio and Polymer Matrix on the Lasing Properties of Perylenediimide Dyes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24896-24906.	1.5	23
22	Synthesis and Electrochemical and Photorefractive Properties of New TrinitrofluorenoneâˆC60Photosensitizers. <i>Chemistry of Materials</i> , 2004, 16, 5021-5026.	3.2	20
23	Concentration dependence of amplified spontaneous emission in two oligo-(p-phenylenevinylene) derivatives. <i>Journal of Applied Physics</i> , 2005, 97, 063522.	1.1	20
24	Effect of structural modifications in the laser properties of polymer films doped with perylenebisimide derivatives. <i>Synthetic Metals</i> , 2009, 159, 2293-2295.	2.1	20
25	Carbonâ€Bridged <i>p</i> -Phenylenevinylene Polymer for Highâ€Performance Solutionâ€Processed Distributed Feedback Lasers. <i>Advanced Optical Materials</i> , 2018, 6, 1800069.	3.6	20
26	Controlling the emission properties of solution-processed organic distributed feedback lasers through resonator design. <i>Scientific Reports</i> , 2019, 9, 11159.	1.6	20
27	Perylenediimide-based distributed feedback lasers with holographic relief gratings on dichromated gelatine. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	19
28	Determination of the glass transition temperature of photorefractive polymer composites from photoconductivity measurements. <i>Applied Physics Letters</i> , 2008, 92, 041101.	1.5	16
29	Dual Amplified Spontaneous Emission and Lasing from Nanographene Films. <i>Nanomaterials</i> , 2020, 10, 1525.	1.9	14
30	Distributed feedback lasers based on dichromated poly(vinyl alcohol) reusable surface-relief gratings. <i>Optical Materials Express</i> , 2014, 4, 733.	1.6	13
31	Diffraction gratings in dry developed dichromated gelatin films. <i>Thin Solid Films</i> , 1998, 317, 343-346.	0.8	12
32	Blue and Deepâ€Blueâ€Emitting Organic Lasers with Topâ€Layer Distributed Feedback Resonators. <i>Advanced Optical Materials</i> , 2020, 8, 2001153.	3.6	12
33	Excited states engineering enables efficient near-infrared lasing in nanographenes. <i>Materials Horizons</i> , 2022, 9, 393-402.	6.4	12
34	TPD-BASED BLUE ORGANIC LASERS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004, 13, 621-626.	1.1	11
35	Photorefractive properties of an unsensitized polymer composite based on a dicyanostyrene derivative as nonlinear optical chromophore. <i>Applied Physics Letters</i> , 2005, 87, 261111.	1.5	11
36	Enhanced Photorefractivity of Poly(<i>N</i> -vinylcarbazole)â€Based Composites through Electricâ€Field Treatments and Ionic Liquid Doping. <i>Advanced Functional Materials</i> , 2009, 19, 428-437.	7.8	11

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37	Electron Transport in a Water-Soluble Liquid-Crystalline Perylene Bisimide. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26577-26583.	1.5	10
38	Organic distributed feedback laser to monitor solvent extraction upon thermal annealing in solution-processed polymer films. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 605-610.	4.0	10
39	Gallium arsenide etching using ion beams from hydrogen/methane mixtures. <i>Vacuum</i> , 1996, 47, 39-44.	1.6	9
40	Millisecond photorefractivity with novel dicyanomethylenedihydrofuran-containing polymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 12220.	6.7	9
41	Molecular aggregation of naphthalimide organic semiconductors assisted by amphiphilic and lipophilic interactions: a joint theoretical and experimental study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6206-6215.	1.3	9
42	Kinetically Protected Carbon-Bridged Oligo(<i>p</i> -phenylenevinylene) Derivatives for Blue Color Amplified Spontaneous Emission. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 751-758.	2.0	9
43	Simultaneous Determination of Refractive Index and Thickness of Submicron Optical Polymer Films from Transmission Spectra. <i>Polymers</i> , 2021, 13, 2545.	2.0	9
44	Peri- <i>Acenoacene</i> for Solution Processed Distributed Feedback Laser: The Effect of 1,2-Oxaborine Doping. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	9
45	Photorefractive polymer composites using a trinitrofluorenone-C60 dyad with a conformationally flexible linker as photosensitizer. <i>Synthetic Metals</i> , 2007, 157, 1064-1070.	2.1	8
46	Sub-400-nm film thickness determination from transmission spectra in organic distributed feedback lasers fabrication. <i>Thin Solid Films</i> , 2019, 692, 137580.	0.8	8
47	Effect of Substituents at Imide Positions on the Laser Performance of 1,7-Bay-Substituted Peryleneimide Dyes. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12277-12288.	1.5	7
48	Highly photostable solid-state organic distributed feedback laser fabricated via thermal nanoimprint lithography. <i>Microelectronic Engineering</i> , 2010, 87, 1428-1430.	1.1	6
49	Two-dimensional distributed feedback lasers with thermally-nanoimprinted peryleneimide-containing films. <i>Optical Materials Express</i> , 2017, 7, 1295.	1.6	6
50	Perylene-Fused, Aggregation-Free Polycyclic Aromatic Hydrocarbons for Solution-Processed Distributed Feedback Lasers. <i>Angewandte Chemie</i> , 2020, 132, 15037-15044.	1.6	6
51	Oxygen ECR stream etching of dichromated gelatin films. <i>Thin Solid Films</i> , 1998, 317, 340-342.	0.8	5
52	Significance of charge exchange in the determination of yields in broad-beam ion etching. <i>Vacuum</i> , 1989, 39, 683-685.	1.6	4
53	Temperature dependence of reactive ion beam etching of GaAs with CH ₄ /H ₂ . <i>Vacuum</i> , 1992, 43, 591-593.	1.6	4
54	Thermal-nanoimprint lithography for peryleneimide-based distributed feedback laser fabrication. <i>Microelectronic Engineering</i> , 2014, 114, 52-56.	1.1	4

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55	N,N'-Bis(3-methylphenyl)-N,N'-diphenylbenzidine Based Distributed Feedback Lasers with Holographically Fabricated Polymeric Resonators. <i>Polymers</i> , 2021, 13, 3843.	2.0	4
56	Kinetic study of the formation of copper selenides by copper selenization. <i>Materials Chemistry and Physics</i> , 1988, 19, 341-356.	2.0	3
57	Application of dichromated gelatin for dry developed lithographic techniques on GaAs. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1999, 17, 1085.	1.6	3
58	Comparing the distribution of the electronic gap of an organic molecule with its photoluminescence spectrum. <i>Applied Physics Letters</i> , 2013, 102, 163307.	1.5	3
59	Improved Amplified Spontaneous Emission of Dye-Doped Functionalized Mesostructured Silica Waveguide Films. <i>Advanced Optical Materials</i> , 2015, 3, 1454-1461.	3.6	3
60	Solution-processable, photo-stable, low-threshold, and broadly tunable thin film organic lasers based on novel high-performing laser dyes. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
61	Singular Temperatures Connected to Charge Transport Mechanism Transitions in Perylene Bisimides from Steady-State Photocurrent Measurements. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14023-14028.	1.5	3
62	bombardment angle dependence of reactive ion-beam etching of GaAs with CH ₄ /H ₂ . <i>Vacuum</i> , 1994, 45, 1113-1114.	1.6	2
63	Amplified spontaneous emission in TPD-based waveguides: thickness and TPD concentration dependence.. , 2006, , .		2
64	Critical Temperatures in the Photorefractive Polymer Composite Behavior. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 383-387.	2.1	2
65	Second-order distributed feedback lasers based on films containing perylenediimide derivatives. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
66	Violet-emitting distributed-feedback laser using a naphtho[2,1-b:6,5-b']difuran derivative. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17287-17290.	2.7	1
67	Label-free sensors based on perylenediimide-doped polystyrene distributed feedback lasers. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0