

Qi Zhang

List of Publications by Year in descending order

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papers

410
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759233

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hâ€šShaped Oligofluorenes for Highly Airâ€šStable and Lowâ€šThreshold Nonâ€šDoped Deep Blue Lasing. <i>Advanced Materials</i> , 2014, 26, 2937-2942.	21.0	57
2	Pyreneâ€šCapped Conjugated Amorphous Starbursts: Synthesis, Characterization, and Stable Lasing Properties in Ambient Atmosphere. <i>Advanced Functional Materials</i> , 2015, 25, 4617-4625.	14.9	51
3	Toward Electrically Pumped Organic Lasers: A Review and Outlook on Material Developments and Resonator Architectures. <i>Advanced Photonics Research</i> , 2021, 2, 2000155.	3.6	42
4	Host Exciton Confinement for Enhanced Fâ€šrsterâ€šTransferâ€šBlend Gain Media Yielding Highly Efficient Yellowâ€šGreen Lasers. <i>Advanced Functional Materials</i> , 2018, 28, 1705824.	14.9	39
5	An Easy Approach to Control Î²-Phase Formation in PFO Films for Optimized Emission Properties. <i>Molecules</i> , 2017, 22, 315.	3.8	35
6	Solution-processed anthracene-based molecular glasses as stable blue-light-emission laser gain media. <i>Organic Electronics</i> , 2015, 18, 95-100.	2.6	26
7	Flexible all-polymer waveguide for low threshold amplified spontaneous emission. <i>Scientific Reports</i> , 2016, 6, 34565.	3.3	26
8	Novel Fluorene-Based Copolymers Containing Branched 2-Methyl-butyl-Substituted Fluorene- <i>co</i> -benzothiadiazole Units for Remarkable Optical Gain Enhancement in Green-Yellow Emission Range. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11350-11358.	3.1	26
9	Flexible distributed feedback lasers based on nanoimprinted cellulose diacetate with efficient multiple wavelength lasing. <i>Npj Flexible Electronics</i> , 2019, 3, .	10.7	22
10	Efficient Optical Gain from Nearâ€šInfrared Polymer Lasers Based on Poly[<i>N</i> - <i>heptadecanyl</i> -2,7-carbazole- <i>co</i> - <i>N</i> - <i>di</i> - <i>thienyl</i> -2,1,3-benzothiadiazole]. <i>Optical Materials</i> , 2018, 6, 1800263.	5.5	14
11	Efficient amplified spontaneous emission from oligofluorene-pyrene starbursts with improved electron affinity property. <i>Optics Express</i> , 2015, 23, A465.	3.4	14
12	Concurrent Optical Gain Optimization and Electrical Tuning in Novel Oligomer:Polymer Blends with Yellowâ€šGreen Laser Emission. <i>Advanced Science</i> , 2019, 6, 1801455.	11.2	12
13	Quantifying the efficiency of Fâ€šrster-assisted optical gain in semiconducting polymer blends by excitation wavelength selective amplified spontaneous emission. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2311-2317.	2.1	8
14	Gain Properties and Distributed Feedback Laser Performance of 7F6/Poly(Styrene) Blend Films: Potential Core Material for Plastic Optical Fiber Expanding the Bandwidth to Visible Region. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700527.	2.2	6
15	Origin of Intramolecular Lowâ€šThreshold Amplified Spontaneous Emission. <i>Advanced Optical Materials</i> , 2021, 9, 2001956.	7.3	5
16	Polarized red, green, and blue light emitting diodes fabricated with identical device configuration using rubbed PEDOT:PSS as alignment layer*. <i>Chinese Physics B</i> , 2019, 28, 078108.	1.4	4
17	Simultaneously Enhancing Photoluminescence Quantum Efficiency and Optical Gain of Polyfluorene via Backbone Intercalation of 2,5-Dimethyl-1,4-Phenylene. <i>Advanced Optical Materials</i> , 2020, 8, 2000187.	7.3	4
18	Current reflash and future development of organic laser materials and devices. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015, 64, 094202.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Deep Blue Laser Gain Medium Based on Triphenylamine Substituted Arylfluorene With Improved Photo-Stability. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 15-20.	2.9	3
20	Highly pH-responsive sensor based on amplified spontaneous emission coupled to colorimetry. Scientific Reports, 2017, 7, 46265.	3.3	3
21	Facile and Controllable Fabrication of High-Performance Methylammonium Lead Triiodide Films Using Lead Acetate Precursor for Low-Threshold Amplified Spontaneous Emission and Distributed-Feedback Lasers. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900176.	2.4	3
22	Low-threshold sky-blue gain medium from a Triazine-capped ladder-type oligomer neat film. Organic Electronics, 2020, 76, 105452.	2.6	2