

Qi Zhang

List of Publications by Year in descending order

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papers

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citations

759233

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all docs

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22
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463
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Origin of Intramolecular Low-Threshold Amplified Spontaneous Emission. <i>Advanced Optical Materials</i> , 2021, 9, 2001956.	7.3	5
3	Low-threshold sky-blue gain medium from a Triazine-capped ladder-type oligomer neat film. <i>Organic Electronics</i> , 2020, 76, 105452.	2.6	2
4	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
5	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
6	Flexible distributed feedback lasers based on nanoimprinted cellulose diacetate with efficient multiple wavelength lasing. <i>Npj Flexible Electronics</i> , 2019, 3, .	10.7	22
7	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. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900176.	2.4	3
8	Concurrent Optical Gain Optimization and Electrical Tuning in Novel Oligomer:Polymer Blends with Yellow-Green Laser Emission. <i>Advanced Science</i> , 2019, 6, 1801455.	11.2	12
9	Host Exciton Confinement for Enhanced Förster Transfer Blend Gain Media Yielding Highly Efficient Yellow-Green Lasers. <i>Advanced Functional Materials</i> , 2018, 28, 1705824.	14.9	39
10	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
11	Efficient Optical Gain from Near-Infrared Polymer Lasers Based on Poly[9-(heptadecanyl)-7-carbazole-5-(4-ethyl-2-thienyl)-2,1,3-benzothiadiazole]. <i>Advanced Optical Materials</i> , 2018, 6, 1800263.		
12	Highly pH-responsive sensor based on amplified spontaneous emission coupled to colorimetry. <i>Scientific Reports</i> , 2017, 7, 46265.	3.3	3
13	An Easy Approach to Control β^2 -Phase Formation in PFO Films for Optimized Emission Properties. <i>Molecules</i> , 2017, 22, 315.	3.8	35
14	Flexible all-polymer waveguide for low threshold amplified spontaneous emission. <i>Scientific Reports</i> , 2016, 6, 34565.	3.3	26
15	Novel Fluorene-Based Copolymers Containing Branched 2-Methyl-butyl-Substituted Fluorene-co-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
16	Quantifying the efficiency of Förster-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
17	Deep Blue Laser Gain Medium Based on Triphenylamine Substituted Arylfluorene With Improved Photo-Stability. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 15-20.	2.9	3
18	Pyrene-Capped Conjugated Amorphous Starbursts: Synthesis, Characterization, and Stable Lasing Properties in Ambient Atmosphere. <i>Advanced Functional Materials</i> , 2015, 25, 4617-4625.	14.9	51

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19	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
20	Efficient amplified spontaneous emission from oligofluorene-pyrene starbursts with improved electron affinity property. <i>Optics Express</i> , 2015, 23, A465.	3.4	14
21	Current research and future development of organic laser materials and devices. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015, 64, 094202.	0.5	4
22	Hairpin-shaped Oligofluorenes for Highly Air-Stable and Low-Threshold Non-Doped Deep Blue Lasing. <i>Advanced Materials</i> , 2014, 26, 2937-2942.	21.0	57