

Organic Solid-State Lasers

Springer Series in Optical Sciences

,

DOI: 10.1007/978-3-642-36705-2

Citation Report

#	ARTICLE	IF	CITATIONS
1	Functional organic single crystals for solid-state laser applications. <i>Laser and Photonics Reviews</i> , 2014, 8, 687-715.	4.4	160
2	Highly Efficient Intrinsic Phosphorescence from a π -Conjugated Poly(silylene) Polymer. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22923-22934.	1.5	6
3	Manipulation of the Aggregation and Deaggregation of Tetraphenylethylene and Silole Fluorophores by Amphiphiles: Emission Modulation and Sensing Applications. <i>Langmuir</i> , 2015, 31, 4593-4604.	1.6	84
4	A borane laser. <i>Nature Communications</i> , 2015, 6, 5958.	5.8	63
5	Solid-state deep blue and UV fluorescent dyes based on para-bis(2-thienyl)phenylene. <i>Journal of Luminescence</i> , 2015, 167, 222-226.	1.5	6
6	Degradation mechanisms of polyfluorene-based organic semiconductor lasers under ambient and oxygen-free conditions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1029-1034.	2.4	17
7	Wavelength Tunability of Plastic Waveguide Laser With Asymmetric Distributed Bragg Reflectors. <i>Journal of Lightwave Technology</i> , 2015, 33, 4600-4605.	2.7	2
8	Synthesis and solid-state fluorescence properties of pentacyclic 7-substituted-indeno[1,2-a:4,5]pyrido[2,1-a]isoindol-5-ones. <i>RSC Advances</i> , 2015, 5, 2715-2723.	1.7	5
9	Recent advances of the emitters for high performance deep-blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 913-944.	2.7	492
10	Excitation Wavelength Independence: Toward Low-Threshold Amplified Spontaneous Emission from Carbon Nanodots. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25454-25460.	4.0	75
11	Single-exciton optical gain in semiconductor nanocrystals: Positive role of electron-phonon coupling. <i>Physical Review B</i> , 2016, 93, .	1.1	10
12	Molecular Materials That Can Both Emit Light and Conduct Charges: Strategies and Perspectives. <i>Chemistry - A European Journal</i> , 2016, 22, 462-471.	1.7	43
13	Organic nanophotonic materials: the relationship between excited-state processes and photonic performances. <i>Chemical Communications</i> , 2016, 52, 8906-8917.	2.2	25
14	An ultra-narrow linewidth solution-processed organic laser. <i>Light: Science and Applications</i> , 2016, 5, e16026-e16026.	7.7	24
15	Thermochromic Fluorescence from $B_{18}H_{20}(NC_5H_5)_2$: An Inorganic-Organic Composite Luminescent Compound with an Unusual Molecular Geometry. <i>Advanced Optical Materials</i> , 2017, 5, 1600694.	3.6	45
16	Host-guest composite organic microlasers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5600-5609.	2.7	38
17	A New Benzodithiophene-Based Cruciform Electron-Donor-Acceptor Molecule with Ambipolar/Photoresponsive Semiconducting and Red-Light-Emissive Properties. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1277-1284.	1.3	4
18	Poly(naphthalene diimide) vinylene: solid state red emission and semiconducting properties for transistors. <i>Chemical Communications</i> , 2017, 53, 4934-4937.	2.2	21

#	ARTICLE	IF	CITATIONS
19	Control of the Stokes Shift with Strong Coupling. <i>Advanced Optical Materials</i> , 2017, 5, 1600941.	3.6	23
20	The application of TD-DFT to excited states of a family of TPD molecules interesting for optoelectronic use. <i>Theoretical Chemistry Accounts</i> , 2017, 136, 1.	0.5	2
21	Emission Anisotropy of Fluorescein Covalently Linked to Oligonucleotides. <i>Journal of Applied Spectroscopy</i> , 2017, 84, 19-24.	0.3	4
22	Synthesis and characterization of high quantum yield and oscillator strength 6-chloro-2-(4-cynophenyl)-4-phenyl quinoline (Cl-CN-DPQ) organic phosphor for solid-state lighting. <i>Luminescence</i> , 2018, 33, 297-304.	1.5	5
23	Decomposition of Aromatic Compounds Relevant to Organic Electronics under Exposure to Low-Energy Electrons. <i>Technical Physics</i> , 2018, 63, 1854-1860.	0.2	10
24	Dye Lasers. <i>Springer Series in Optical Sciences</i> , 2018, , 121-130.	0.5	0
25	Suppressing Nonradiative Processes of Organic Dye with Metal-Organic Framework Encapsulation toward Near-Infrared Solid-State Microlasers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35455-35461.	4.0	33
26	Tailoring spin mixtures by ion-enhanced Maxwell magnetic coupling in color-tunable organic electroluminescent devices. <i>Light: Science and Applications</i> , 2018, 7, 46.	7.7	11
27	Gain investigation of Perylene-Red-doped PMMA for stimulated luminescent solar concentrators. <i>Applied Optics</i> , 2018, 57, 2459.	0.9	2
28	Unraveling the Microscopic Origin of Triplet Lasing from Organic Solids. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4314-4318.	2.1	9
29	Near-Infrared Solid-State Lasers Based on Small Organic Molecules. <i>ACS Photonics</i> , 2019, 6, 2590-2599.	3.2	36
30	Engineered protein-based functional nanopatterned materials for bio-optical devices. <i>Nanoscale Advances</i> , 2019, 1, 3980-3991.	2.2	17
31	Inorganic and Layered Perovskites for Optoelectronic Devices. <i>Advanced Materials</i> , 2019, 31, e1807095.	11.1	94
32	Controlling the Output of Organic Micro/Nanolasers. <i>Advanced Optical Materials</i> , 2019, 7, 1900037.	3.6	17
33	State Modeling to Investigate the CW Pumping Behaviour of Organic Solid-State Lasers. , 2019, , .		0
34	Organic Semiconductors in Optical Communications. , 2019, , .		0
35	Slot-Waveguide Silicon Nitride Organic Hybrid Distributed Feedback Laser. <i>Scientific Reports</i> , 2019, 9, 18438.	1.6	12
36	Design Strategy for Robust Organic Semiconductor Laser Dyes. , 2020, 2, 161-167.		47

#	ARTICLE	IF	CITATIONS
37	High performance planar microcavity organic semiconductor lasers based on thermally evaporated top distributed Bragg reflector. <i>Applied Physics Letters</i> , 2020, 117, 153301.	1.5	13
38	Radiative energy transfer assisted amplified spontaneous emission in asymmetric-coupled-waveguide structures. <i>Journal of Applied Physics</i> , 2020, 128, 083104.	1.1	2
39	Optically Pumped Lasing in Microscale Light-Emitting Electrochemical Cell Arrays for Multicolor Displays. <i>Nano Letters</i> , 2020, 20, 7116-7122.	4.5	19
40	Charge and exciton dynamics of OLEDs under high voltage nanosecond pulse: towards injection lasing. <i>Nature Communications</i> , 2020, 11, 4310.	5.8	31
41	Lasing Operation under Long-Pulse Excitation in Solution-Processed Organic Gain Medium: Toward CW Lasing in Organic Semiconductors. <i>Advanced Optical Materials</i> , 2020, 8, 2001234.	3.6	23
42	Computational screen-out strategy for electrically pumped organic laser materials. <i>Nature Communications</i> , 2020, 11, 4485.	5.8	48
43	Temporal dynamics of diode-pumped circulation-free liquid dye lasers. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	6
44	A polymer film with ultra-broadband optical gain characteristics. <i>Applied Physics Letters</i> , 2020, 116, 063301.	1.5	4
45	Intramolecular-Locked High Efficiency Ultrapure Violet-Blue (CIE $y < 0.046$) Thermally Activated Delayed Fluorescence Emitters Exhibiting Amplified Spontaneous Emission. <i>Advanced Functional Materials</i> , 2021, 31, 2009488.	7.8	88
46	Biophotonic sensors with integrated Si ₃ N ₄ -organic hybrid (SiNOH) lasers for point-of-care diagnostics. <i>Light: Science and Applications</i> , 2021, 10, 64.	7.7	27
47	Organic composite materials: Understanding and manipulating excited states toward higher light-emitting performance. <i>Aggregate</i> , 2021, 2, e103.	5.2	7
48	Stimulated emission and optical properties of pyraniliden fragment containing compounds in PVK matrix. <i>Optics and Laser Technology</i> , 2017, 95, 74-80.	2.2	12
49	Silicon-nitride waveguide-based integrated photonic circuits for medical diagnostic and other sensing applications. , 2019, , .		8
50	Effect of Förster resonance energy transfer efficiency and pump wavelength absorption on the acceptor TM s amplified spontaneous emission in an on-chip droplet system. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 273.	0.9	3
51	New developments in the determination of the complex refractive index of arbitrary absorptance thin films from envelope profiles of a single transmittance curve. , 2018, , .		0
52	Vertical External-Cavity Organic Lasers: State of the Art and Application Perspectives. , 2018, , 245-284.		0
53	PECVD silicon nitride optical waveguide devices for sensing applications in the visible and < 1 μ m near infrared wavelength region. , 2019, , .		1
54	CMOS-compatible silicon nitride waveguide photonic building blocks and their application for optical coherence tomography and other sensing applications. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
55	Waveguide Mach-Zehnder biosensor with laser diode pumped integrated single-mode silicon nitride organic hybrid solid-state laser. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113816.	5.3	11
56	Recent advances in luminescent metal-organic frameworks and their photonic applications. <i>Chemical Communications</i> , 2021, 57, 13678-13691.	2.2	22
57	Numerical Study of Triplet Dynamics in Organic Semiconductors Aimed for the Active Utilization of Triplets by TADF under Continuous-Wave Lasing. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1323-1329.	2.1	6
58	Gridization-Driven Mesoscale Self-Assembly of Conjugated Nanopolymers into Luminescence-Anisotropic Photonic Crystals. <i>Advanced Materials</i> , 2022, 34, e2109399.	11.1	14
59	Thermally Activated Delayed Fluorescent Gain Materials: Harvesting Triplet Excitons for Lasing. <i>Advanced Science</i> , 2022, 9, e2200525.	5.6	30
60	Highly photo-stable, kHz-repetition-rate, diode pumped circulation-free liquid dye laser with thermal lens management. <i>Applied Physics Letters</i> , 2022, 120, 113301.	1.5	2