Van Duong Ta

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9077791/publications.pdf

Version: 2024-02-01

53 papers	2,194 citations	279798 23 h-index	243625 44 g-index
53 all docs	53 docs citations	53 times ranked	2639 citing authors

#	Article	IF	Citations
1	Nanosecond laser textured superhydrophobic metallic surfaces and their chemical sensing applications. Applied Surface Science, 2015, 357, 248-254.	6.1	298
2	Laser textured superhydrophobic surfaces and their applications for homogeneous spot deposition. Applied Surface Science, 2016, 365, 153-159.	6.1	236
3	Stimulated Emission and Lasing from CdSe/CdS/ZnS Coreâ€Multiâ€Shell Quantum Dots by Simultaneous Threeâ€Photon Absorption. Advanced Materials, 2014, 26, 2954-2961.	21.0	172
4	Blue Liquid Lasers from Solution of CdZnS/ZnS Ternary Alloy Quantum Dots with Quasiâ€Continuous Pumping. Advanced Materials, 2015, 27, 169-175.	21.0	127
5	Tuning Whispering Gallery Mode Lasing from Self-Assembled Polymer Droplets. Scientific Reports, 2013, 3, 1362.	3.3	116
6	Whispering gallery mode microlasers and refractive index sensing based on single polymer fiber. Laser and Photonics Reviews, 2013, 7, 133-139.	8.7	111
7	Exciton Localization and Optical Properties Improvement in Nanocrystal-Embedded ZnO Coreâ€“Shell Nanowires. Nano Letters, 2013, 13, 734-739.	9.1	85
8	Laser textured surface gradients. Applied Surface Science, 2016, 371, 583-589.	6.1	83
9	Robust Whispering-Gallery-Mode Microbubble Lasers from Colloidal Quantum Dots. Nano Letters, 2017, 17, 2640-2646.	9.1	83
10	Bending-Induced Bidirectional Tuning of Whispering Gallery Mode Lasing from Flexible Polymer Fibers. ACS Photonics, 2014, 1, 11-16.	6.6	79
11	Selfâ€Assembled Flexible Microlasers. Advanced Materials, 2012, 24, OP60-4.	21.0	76
12	Multicolor Hybrid Upconversion Nanoparticles and Their Improved Performance as Luminescence Temperature Sensors Due to Energy Transfer. Small, 2013, 9, 1052-1057.	10.0	75
13	Coupled Polymer Microfiber Lasers for Single Mode Operation and Enhanced Refractive Index Sensing. Advanced Optical Materials, 2014, 2, 220-225.	7.3	75
14	Single Mode Lasing from Hybrid Hemispherical Microresonators. Scientific Reports, 2012, 2, 244.	3.3	63
15	Multicolor lasing prints. Applied Physics Letters, 2015, 107, .	3.3	47
16	Unraveling the ultralow threshold stimulated emission from CdZnS/ZnS quantum dot and enabling highâ€Q microlasers. Laser and Photonics Reviews, 2015, 9, 507-516.	8.7	44
17	Application of self-assembled hemispherical microlasers as gas sensors. Applied Physics Letters, 2013, 102, .	3.3	43
18	Hybrid additive manufacturing of 3D electronic systems. Journal of Micromechanics and Microengineering, 2016, 26, 105005.	2.6	41

#	Article	IF	Citations
19	Dynamically controlled deposition of colloidal nanoparticle suspension in evaporating drops using laser radiation. Soft Matter, 2016, 12, 4530-4536.	2.7	32
20	Microsphere Solidâ€State Biolasers. Advanced Optical Materials, 2017, 5, 1601022.	7.3	31
21	Reconfigurable Liquid Whispering Gallery Mode Microlasers. Scientific Reports, 2016, 6, 27200.	3.3	29
22	Microlasers Enabled by Softâ€Matter Technology. Advanced Optical Materials, 2019, 7, 1900057.	7.3	29
23	Ultralowâ€Threshold and Highâ€Quality Whisperingâ€Galleryâ€Mode Lasing from Colloidal Core/Hybridâ€Shell Quantum Wells. Advanced Materials, 2022, 34, e2108884.	21.0	28
24	Observation of polarized gain from aligned colloidal nanorods. Nanoscale, 2015, 7, 6481-6486.	5.6	24
25	Integration of additive manufacturing and inkjet printed electronics: a potential route to parts with embedded multifunctionality. Manufacturing Review, 2016, 3, 12.	1.5	24
26	Protein-based microsphere biolasers fabricated by dehydration. Soft Matter, 2019, 15, 9721-9726.	2.7	20
27	Wide-range coupling between surface plasmon polariton and cylindrical dielectric waveguide mode. Optics Express, 2011, 19, 13598.	3.4	18
28	Chicken albumen-based whispering gallery mode microlasers. Soft Matter, 2020, 16, 9069-9073.	2.7	16
29	Flexible and tensile microporous polymer fibers for wavelength-tunable random lasing. Nanoscale, 2020, 12, 12357-12363.	5.6	15
30	Silica based biocompatible random lasers implantable in the skin. Optics Communications, 2020, 475, 126207.	2.1	12
31	Controllable Polarization of Lasing Emission From a Polymer Microfiber Laser. Scientific Reports, 2019, 9, 17017.	3.3	10
32	Biocompatible microlasers based on polyvinyl alcohol microspheres. Optics Communications, 2020, 459, 124925.	2.1	9
33	Biocompatible Polymer and Protein Microspheres with Inverse Photonic Glass Structure for Random Microâ€Biolasers. Advanced Photonics Research, 2021, 2, 2100036.	3.6	8
34	Egg white based biological microlasers. Journal Physics D: Applied Physics, 2020, 53, 445104.	2.8	6
35	High-quality factor, biological microsphere and microhemisphere lasers fabricated by a single solution process. Optics Communications, 2020, 465, 125647.	2.1	6
36	Enabling Rapid Production and Mass Customisation of Electronics Using Digitally Driven Hybrid Additive Manufacturing Techniques. , 2016, , .		5

#	Article	IF	Citations
37	Lasers: Coupled Polymer Microfiber Lasers for Single Mode Operation and Enhanced Refractive Index Sensing (Advanced Optical Materials 3/2014). Advanced Optical Materials, 2014, 2, 200-200.	7.3	4
38	Monodisperse and size-tunable high-quality factor microsphere biolasers. Optics Letters, 2021, 46, 2517.	3.3	3
39	Micro electronic systems via multifunctional additive manufacturing. Rapid Prototyping Journal, 2018, 24, 752-763.	3.2	2
40	High quality factor, protein-based microlasers from self-assembled microcracks. Journal Physics D: Applied Physics, 2021, 54, 255108.	2.8	2
41	Flexible microresonators: lasing and sensing. , 2014, , .		1
42	Quantum Dots: Blue Liquid Lasers from Solution of CdZnS/ZnS Ternary Alloy Quantum Dots with Quasi-Continuous Pumping (Adv. Mater. 1/2015). Advanced Materials, 2015, 27, 168-168.	21.0	1
43	Biolasers: Microsphere Solidâ€State Biolasers (Advanced Optical Materials 8/2017). Advanced Optical Materials, 2017, 5, .	7.3	1
44	Characteristics of Dye-doped Silica Nanoparticles- Based Random Lasers in the Air and Water. Communications in Physics, 2022, 32, 1.	0.0	1
45	Coherent Random lasing from CdSe/CdS/ZnS quantum dots. , 2013, , .		1
46	Ultralowâ€Threshold and Highâ€Quality Whisperingâ€Galleryâ€Mode Lasing from Colloidal Core/Hybridâ€Shell Quantum Wells (Adv. Mater. 13/2022). Advanced Materials, 2022, 34, .	21.0	1
47	Random lasers from the natural inverse photonic glass structure of Artemia eggshells. Journal Physics D: Applied Physics, 2022, 55, 295104.	2.8	1
48	Flexible optical microcavities and their sensing application. , 2013, , .		0
49	Anisotropic stimulated emission from aligned CdSe/CdS dot-in-rods. , 2014, , .		0
50	Multi-photon Excited Amplified Spontaneous Emission and Lasing from CdSe/CdS/ZnS quantum dots. , 2014, , .		0
51	Biocompatible Polymer and Protein Microspheres with Inverse Photonic Glass Structure for Random Microâ€Biolasers. Advanced Photonics Research, 2021, 2, 2170025.	3.6	0
52	Microlaser from Self-Assembled Hemispherical Resonator. , 2012, , .		0
53	Lasing From Flexible Microcavities and Their Applications. , 2013, , .		0