

Sbastien Forget

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

1,375
citations

20
h-index

36
g-index

75
ext. papers

1,584
ext. citations

3.1
avg, IF

4.43
L-index

#	Paper	IF	Citations
57	Recent advances in solid-state organic lasers. <i>Polymer International</i> , 2012 , 61, 390-406	3.2	258
56	On thermal effects in solid-state lasers: The case of ytterbium-doped materials. <i>Progress in Quantum Electronics</i> , 2006 , 30, 89-153	8.9	250
55	Implementation of PT symmetric devices using plasmonics: principle and applications. <i>Optics Express</i> , 2011 , 19, 18004-19	3.2	151
54	White organic light-emitting diodes with fine chromaticity tuning via ultrathin layer position shifting. <i>Applied Physics Letters</i> , 2006 , 89, 183513	3.3	58
53	Organic Solid-State Lasers. <i>Springer Series in Optical Sciences</i> , 2013 ,	0.5	54
52	Passively Q-switched diode-pumped Cr ⁴⁺ :YAG/Nd ³⁺ :GdVO ₄ monolithic microchip laser. <i>Optics Communications</i> , 2006 , 259, 816-819	1.9	40
51	Diffusion of triplet excitons in an operational organic light-emitting diode. <i>Physical Review B</i> , 2009 , 79,	3.3	38
50	Laser operation in nondoped thin films made of a small-molecule organic red-emitter. <i>Applied Physics Letters</i> , 2009 , 95, 033305	3.3	33
49	Highly efficient, diffraction-limited laser emission from a vertical external-cavity surface-emitting organic laser. <i>Optics Letters</i> , 2010 , 35, 1968-70	2.9	32
48	Passively mode-locked diode-pumped Nd:YVO ₄ oscillator operating at an ultralow repetition rate. <i>Optics Letters</i> , 2003 , 28, 1838-40	2.9	32
47	Light-emitting diode pumped luminescent concentrators: a new opportunity for low-cost solid-state lasers. <i>Optica</i> , 2016 , 3, 465	8.5	27
46	Red-emitting fluorescent organic light emitting diodes with low sensitivity to self-quenching. <i>Journal of Applied Physics</i> , 2010 , 108, 064509	2.4	27
45	Direct and absolute temperature mapping and heat transfer measurements in diode-end-pumped Yb:YAG. <i>Applied Physics B: Lasers and Optics</i> , 2004 , 79, 221-224	1.8	27
44	Fluorescence lifetime imaging with a low-repetition-rate passively mode-locked diode-pumped Nd:YVO ₄ oscillator. <i>Optics Letters</i> , 2005 , 30, 168-70	2.9	27
43	High brightness diode-pumped organic solid-state laser. <i>Applied Physics Letters</i> , 2015 , 106, 051112	3.3	23
42	Broadly tunable (440-870 nm) solid-state organic laser with disposable capsules. <i>Applied Physics Letters</i> , 2013 , 102, 041112	3.3	21
41	An ultra-narrow linewidth solution-processed organic laser. <i>Light: Science and Applications</i> , 2016 , 5, e160262	2.2	22

40	Tunable ultraviolet vertically-emitting organic laser. <i>Applied Physics Letters</i> , 2011 , 98, 131102	3.3	21
39	Highly efficient multilayer organic pure blue light emitting diodes with substituted carbazoles compounds in the emitting layer. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 917-922	2.9	21
38	High-power room temperature emission quantum cascade lasers at $\lambda = 9 \mu\text{m}$. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 1430-1438	1.9	17
37	Polarization properties of solid-state organic lasers. <i>Physical Review A</i> , 2012 , 86,	2.6	18
36	Gain properties of dye-doped polymer thin films. <i>Physical Review B</i> , 2015 , 92,	3.3	17
35	Doped and non-doped organic light-emitting diodes based on a yellow carbazole emitter into a blue-emitting matrix. <i>Synthetic Metals</i> , 2007 , 157, 198-204	3.6	17
34	High-radiance light sources with LED-pumped luminescent concentrators applied to pump Nd:YAG passively Q-switched laser. <i>Optics and Laser Technology</i> , 2017 , 96, 7-12	4.1	13
33	A new 3D multipass amplifier based on Nd:YAG or Nd:YVO4 crystals. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 75, 481-485	1.8	13
32	Analytical study of vertical external-cavity surface-emitting organic lasers. <i>EPJ Applied Physics</i> , 2011 , 56, 34108	1	11
31	Efficient diode-pumped intracavity frequency-doubled CW Nd:YLF laser emitting in the red. <i>Optics and Laser Technology</i> , 2006 , 38, 626-630	4.1	12
30	Thermal effects in thin-film organic solid-state lasers. <i>Optics Express</i> , 2014 , 22, 30092-107	3.2	10
29	Picosecond laser source at 1 MHz with continuous tunability in the visible red band. <i>Optics Communications</i> , 2003 , 220, 187-192	1.9	11
28	White organic light-emitting diodes with an ultra-thin premixed emitting layer. <i>Thin Solid Films</i> , 2013 , 542, 263-269	2.1	7
27	Inkjet-printed vertically emitting solid-state organic lasers. <i>Journal of Applied Physics</i> , 2016 , 119, 173101	2.4	5
26	Investigation of Hydrogen Peroxide Formation After Underwater Plasma Discharge. <i>Plasma Chemistry and Plasma Processing</i> , 2020 , 40, 955-969	3.5	4
25	Enhancing brightness of Lambertian light sources with luminescent concentrators: the light extraction issue. <i>Optics Express</i> , 2019 , 27, 11830-11843	3.2	4
24	High-resolution absolute temperature mapping of laser crystals in diode-end-pumped configuration 2005 ,		4
23	Towards polarization controlled organic micro-lasers 2012 ,		2

22	High performance planar microcavity organic semiconductor lasers based on thermally evaporated top distributed Bragg reflector. <i>Applied Physics Letters</i> , 2020 , 117, 153301	3.3	3
21	Temporal dynamics of diode-pumped circulation-free liquid dye lasers. <i>Journal of Applied Physics</i> , 2020 , 128, 015501	2.4	3
20	Enhanced Light-Matter Interaction and Polariton Relaxation by the Control of Molecular Orientation. <i>Advanced Optical Materials</i> , 2021 , 9, 2101048	7.9	3
19	Enhanced generation of vacuum-ultraviolet radiation by four-wave mixing in mercury using pulsed laser vaporization. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 89, 223-229	1.8	2
18	High-power spatial singlemode quantum cascade lasers at 8.9 [μ m]. <i>Electronics Letters</i> , 2005 , 41, 418	1	2
17	Fundamentals of Organic Lasers. <i>Springer Series in Optical Sciences</i> , 2013 , 13-73	0.5	2
16	Organic Lasers Resonators. <i>Springer Series in Optical Sciences</i> , 2013 , 107-130	0.5	2
15	Laser turn-on behavior in organic vertical-external cavity surface-emitting lasers 2012 ,		1
14	Measurement of triplet exciton diffusion in the context of organic lasers 2008 ,		1
13	Comment on "Gain coefficient method for amplified spontaneous emission in thin waveguided film of a conjugated polymer" [Appl. Phys. Lett. 93, 163307 (2008)]. <i>Applied Physics Letters</i> , 2009 , 94, 106101	3.3	1
12	Melanome familial : l'âge jeune au diagnostic du mélanome et la survenue de mélanomes primitifs multiples sont des facteurs prédictifs de mutations de CDKN2A dans les familles ^ deux cas. <i>Annales De Dermatologie Et De Venereologie</i> , 2012 , 139, B111	0.1	
11	Organic Light-Emitting Diodes 309-350		
10	Diode-pumped sub-ns ultraviolet laser system operating at 1 MHz 2003 , 369		
9	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	3.3	
8	Mesure directe de la distribution de température dans un cristal laser par thermographie infrarouge. <i>European Physical Journal Special Topics</i> , 2004 , 119, 183-184		
7	Laser picoseconde ^ cavité gante. <i>European Physical Journal Special Topics</i> , 2004 , 119, 253-254		
6	Lasers solides pompés par diode mettant des impulsions picosecondes ^ haute cadence dans l'ultraviolet. <i>European Physical Journal Special Topics</i> , 2005 , 127, 15-19		
5	Study of laser vaporization of mercury: application to the energy enhancement of a VUV coherent source. <i>Annales De Physique</i> , 2007 , 32, 95-98		

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3 Organic Materials for Solid-State Lasers. *Springer Series in Optical Sciences*, **2013**, 75-106 0.5

2 Towards Applications of Organic Solid-State Lasers. *Springer Series in Optical Sciences*, **2013**, 151-166 0.5

1 Novel Concepts for Organic Lasers. *Springer Series in Optical Sciences*, **2013**, 131-149 0.5