

SÃ©bastien Forget

List of Publications by Year in descending order

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74
papers

1,777
citations

313897

21
h-index

263525

42
g-index

77
all docs

77
docs citations

77
times ranked

2102
citing authors

#	ARTICLE	IF	CITATIONS
1	On thermal effects in solid-state lasers: The case of ytterbium-doped materials. Progress in Quantum Electronics, 2006, 30, 89-153.	7.9	328
2	Recent advances in solid-state organic lasers. Polymer International, 2012, 61, 390-406.	3.2	328
3	Implementation of PT symmetric devices using plasmonics: principle and applications. Optics Express, 2011, 19, 18004.	3.4	194
4	White organic light-emitting diodes with fine chromaticity tuning via ultrathin layer position shifting. Applied Physics Letters, 2006, 89, 183513.	3.2	65
5	Light-emitting diode pumped luminescent concentrators: a new opportunity for low-cost solid-state lasers. Optica, 2016, 3, 465.	9.3	54
6	Passively Q-switched diode-pumped Cr ⁴⁺ :YAG/Nd ³⁺ :GdVO ₄ monolithic microchip laser. Optics Communications, 2006, 259, 816-819.	2.2	49
7	Laser operation in nondoped thin films made of a small-molecule organic red-emitter. Applied Physics Letters, 2009, 95, .	3.2	44
8	Passively mode-locked diode-pumped Nd:YVO ₄ oscillator operating at an ultralow repetition rate. Optics Letters, 2003, 28, 1838.	3.3	42
9	Direct and absolute temperature mapping and heat transfer measurements in diode-end-pumped Yb:YAG. Applied Physics B: Lasers and Optics, 2004, 79, 221-224.	2.1	42
10	Diffusion of triplet excitons in an operational organic light-emitting diode. Physical Review B, 2009, 79, .	3.3	40
11	Fluorescence lifetime imaging with a low-repetition-rate passively mode-locked diode-pumped Nd:YVO ₄ oscillator. Optics Letters, 2005, 30, 168.	3.3	36
12	Highly efficient, diffraction-limited laser emission from a vertical external-cavity surface-emitting organic laser. Optics Letters, 2010, 35, 1968.	3.3	34
13	Red-emitting fluorescent organic light emitting diodes with low sensitivity to self-quenching. Journal of Applied Physics, 2010, 108, .	2.3	32
14	Broadly tunable (440-670 nm) solid-state organic laser with disposable capsules. Applied Physics Letters, 2013, 102, .	3.2	30
15	A new 3D multipass amplifier based on Nd:YAG or Nd:YVO ₄ crystals. Applied Physics B: Lasers and Optics, 2002, 75, 481-485.	2.1	26
16	High-power room temperature emission quantum cascade lasers at $\lambda = 9 \mu\text{m}$. IEEE Journal of Quantum Electronics, 2005, 41, 1430-1438.	2.0	25
17	High brightness diode-pumped organic solid-state laser. Applied Physics Letters, 2015, 106, .	3.2	25
18	An ultra-narrow linewidth solution-processed organic laser. Light: Science and Applications, 2016, 5, e16026-e16026.	16.2	25

#	ARTICLE	IF	CITATIONS
19	Tunable ultraviolet vertically-emitting organic laser. Applied Physics Letters, 2011, 98, .	3.2	24
20	Highly efficient multilayer organic pure blue light emitting diodes with substituted carbazoles compounds in the emitting layer. Journal Physics D: Applied Physics, 2006, 39, 917-922.	2.9	23
21	Gain properties of dye-doped polymer thin films. Physical Review B, 2015, 92, .	3.3	22
22	Polarization properties of solid-state organic lasers. Physical Review A, 2012, 86, .	2.5	21
23	Doped and non-doped organic light-emitting diodes based on a yellow carbazole emitter into a blue-emitting matrix. Synthetic Metals, 2007, 157, 198-204.	4.1	19
24	High-radiance light sources with LED-pumped luminescent concentrators applied to pump Nd:YAG passively Q-switched laser. Optics and Laser Technology, 2017, 96, 7-12.	4.6	18
25	Enhanced Light-Matter Interaction and Polariton Relaxation by the Control of Molecular Orientation. Advanced Optical Materials, 2021, 9, 2101048.	7.9	18
26	Efficient diode-pumped intracavity frequency-doubled CW Nd:YLF laser emitting in the red. Optics and Laser Technology, 2006, 38, 626-630.	4.6	16
27	Thermal effects in thin-film organic solid-state lasers. Optics Express, 2014, 22, 30092.	3.4	16
28	Picosecond laser source at 1 MHz with continuous tunability in the visible red band. Optics Communications, 2003, 220, 187-192.	2.2	15
29	High performance planar microcavity organic semiconductor lasers based on thermally evaporated top distributed Bragg reflector. Applied Physics Letters, 2020, 117, .	3.2	14
30	Analytical study of vertical external-cavity surface-emitting organic lasers. EPJ Applied Physics, 2011, 56, 34108.	0.8	13
31	Enhancing brightness of Lambertian light sources with luminescent concentrators: the light extraction issue. Optics Express, 2019, 27, 11830.	3.4	10
32	White organic light-emitting diodes with an ultra-thin premixed emitting layer. Thin Solid Films, 2013, 542, 263-269.	1.9	9
33	Investigation of Hydrogen Peroxide Formation After Underwater Plasma Discharge. Plasma Chemistry and Plasma Processing, 2020, 40, 955-969.	2.5	9
34	High-resolution absolute temperature mapping of laser crystals in diode-end-pumped configuration. , 2005, , .		6
35	Temporal dynamics of diode-pumped circulation-free liquid dye lasers. Journal of Applied Physics, 2020, 128, .	2.3	6
36	Fundamentals of Organic Lasers. Springer Series in Optical Sciences, 2013, , 13-73.	0.0	6

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37	Inkjet-printed vertically emitting solid-state organic lasers. Journal of Applied Physics, 2016, 119, .	2.3	5
38	High-power spatial singlemode quantum cascade lasers at 8.9â€¦[micro sign]m. Electronics Letters, 2005, 41, 418.	1.0	3
39	Enhanced generation of vacuum-ultraviolet radiation by four-wave mixing in mercury using pulsed laser vaporization. Applied Physics B: Lasers and Optics, 2007, 89, 223-229.	2.1	3
40	Towards polarization controlled organic micro-lasers. Proceedings of SPIE, 2012, , .	1.0	3
41	Organic Lasers Resonators. Springer Series in Optical Sciences, 2013, , 107-130.	0.0	2
42	Mesure directe de la distribution de tempÃ©rature dans un cristal laser par thermographie infrarouge. European Physical Journal Special Topics, 2004, 119, 183-184.	0.2	2
43	Highly photo-stable, kHz-repetition-rate, diode pumped circulation-free liquid dye laser with thermal lens management. Applied Physics Letters, 2022, 120, 113301.	3.2	2
44	Highly efficient multilayer organic pure-blue-light emitting diodes with substituted carbazoles compounds in the emitting layer. , 2006, , .		1
45	Influence of thickness and position of an ultrathin yellow layer on color tuning (including white) of Organic Light Emitting Diodes. , 2006, , .		1
46	Measurement of triplet exciton diffusion in the context of organic lasers. Proceedings of SPIE, 2008, , .	1.0	1
47	Comment on "Gain coefficient method for amplified spontaneous emission in thin waveguided film of a conjugated polymer" [Appl. Phys. Lett. 93, 163307 (2008)]. Applied Physics Letters, 2009, 94, 106101.	3.2	1
48	Organic Light Emitting Diodes. , 2010, , 309-350.		1
49	Laser turn-on behavior in organic vertical-external cavity surface-emitting lasers. Proceedings of SPIE, 2012, , .	1.0	1
50	New scheme for pumping solid-state lasers based on LED-pumped luminescent concentrators. , 2016, , .		1
51	Organic Materials for Solid-State Lasers. Springer Series in Optical Sciences, 2013, , 75-106.	0.0	1
52	Diode-pumped sub-ns ultraviolet laser system operating at 1 MHz. , 0, , .		0
53	Diode-pumped sub-ns ultraviolet laser system operating at 1 MHz. , 2003, , 369.		0
54	Room-temperature CW operation of ($\lambda=9\frac{1}{4}\mu\text{m}$) InP-based quantum cascade lasers. , 2004, , .		0

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55	Color tunability (including white) in OLEDs by shifting the position of an ultrathin yellow layer in a blue matrix. , 2006, , .		0
56	Enhanced production of coherent pulsed radiation at 125 nm: The route towards a tabletop VUV laser. , 2006, , .		0
57	Energy enhancement of a highly coherent VUV source at 125 nm for nanopatterning applications. , 2009, , .		0
58	White organic light-emitting diodes with ultra-thin mixed emitting layer. Proceedings of SPIE, 2012, , .	1.0	0
59	External-cavity solid-state organic lasers: Design rules and application perspectives (Conference) Tj ETQq1 1 0.784314 rgBT /Qverlock		0
60	Ultra-long cavity passively mode-locked diode-pumped Nd:YVO4 laser. , 2004, , .		0
61	Ultra-long cavity passively mode-locked diode-pumped Nd:YVO4 laser. , 2004, , .		0
62	Laser picoseconde Ã© cavitÃ© gÃ©ante. European Physical Journal Special Topics, 2004, 119, 253-254.	0.2	0
63	Development of a Multi-kHz Optical Bench for Nonlinear Optical Diagnostic. , 2005, , .		0
64	Lasers solides pompÃ©s par diode Ã©mettant des impulsions picosecondes Ã© haute cadence dans l'ultraviolet. European Physical Journal Special Topics, 2005, 127, 15-19.	0.2	0
65	Study of laser vaporization of mercury: application to the energy enhancement of a VUV coherent source. Annales De Physique, 2007, 32, 95-98.	0.2	0
66	Investigation of a laser-induced ablation plume of mercury as a nonlinear medium for Vacuum UltraViolet generation. , 2009, , .		0
67	Sum-frequency mixing and phase matching in a mercury ablation plume. , 2011, , .		0
68	Towards high-energy broadly tunable Vertical External Cavity Surface-emitting Organic Lasers. , 2013, , .		0
69	Lasers organiques accordables dans l'UV (309Ã©322 nm). , 2013, , .		0
70	Towards Applications of Organic Solid-State Lasers. Springer Series in Optical Sciences, 2013, , 151-166.	0.0	0
71	Novel Concepts for Organic Lasers. Springer Series in Optical Sciences, 2013, , 131-149.	0.0	0
72	Vertical External-Cavity Organic Lasers: State of the Art and Application Perspectives. , 2018, , 245-284.		0

#	ARTICLE	IF	CITATIONS
73	Microsecond Discharge Produced in Aqueous Solution for Pollutant Cr(VI) Reduction. Plasma, 2022, 5, 408-422.	1.9	0
74	80-1/4s pulsewidth from a circulation-free diode-pumped liquidorganic laser limited by thermal blooming. Optics Express, 0, , .	3.4	0