

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	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.	3.2	2
2	Microsecond Discharge Produced in Aqueous Solution for Pollutant Cr(VI) Reduction. <i>Plasma</i> , 2022, 5, 408-422.	1.9	0
3	Enhanced Light-Matter Interaction and Polariton Relaxation by the Control of Molecular Orientation. <i>Advanced Optical Materials</i> , 2021, 9, 2101048.	7.9	18
4	High performance planar microcavity organic semiconductor lasers based on thermally evaporated top distributed Bragg reflector. <i>Applied Physics Letters</i> , 2020, 117, .	3.2	14
5	Investigation of Hydrogen Peroxide Formation After Underwater Plasma Discharge. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 955-969.	2.5	9
6	Temporal dynamics of diode-pumped circulation-free liquid dye lasers. <i>Journal of Applied Physics</i> , 2020, 128, .	2.3	6
7	Enhancing brightness of Lambertian light sources with luminescent concentrators: the light extraction issue. <i>Optics Express</i> , 2019, 27, 11830.	3.4	10
8	Vertical External-Cavity Organic Lasers: State of the Art and Application Perspectives. , 2018, , 245-284.		0
9	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.	4.6	18
10	New scheme for pumping solid-state lasers based on LED-pumped luminescent concentrators. , 2016, , .		1
11	Inkjet-printed vertically emitting solid-state organic lasers. <i>Journal of Applied Physics</i> , 2016, 119, .	2.3	5
12	Light-emitting diode pumped luminescent concentrators: a new opportunity for low-cost solid-state lasers. <i>Optica</i> , 2016, 3, 465.	9.3	54
13	External-cavity solid-state organic lasers: Design rules and application perspectives (Conference) Tj ETQq1 1 0.784314 rgBT /Qverlock		
14	An ultra-narrow linewidth solution-processed organic laser. <i>Light: Science and Applications</i> , 2016, 5, e16026-e16026.	16.2	25
15	Gain properties of dye-doped polymer thin films. <i>Physical Review B</i> , 2015, 92, .	3.3	22
16	High brightness diode-pumped organic solid-state laser. <i>Applied Physics Letters</i> , 2015, 106, .	3.2	25
17	Thermal effects in thin-film organic solid-state lasers. <i>Optics Express</i> , 2014, 22, 30092.	3.4	16
18	White organic light-emitting diodes with an ultra-thin premixed emitting layer. <i>Thin Solid Films</i> , 2013, 542, 263-269.	1.9	9

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19	Broadly tunable (440â€“670â€“nm) solid-state organic laser with disposable capsules. Applied Physics Letters, 2013, 102, .	3.2	30
20	Fundamentals of Organic Lasers. Springer Series in Optical Sciences, 2013, , 13-73.	0.0	6
21	Organic Lasers Resonators. Springer Series in Optical Sciences, 2013, , 107-130.	0.0	2
22	Towards high-energy broadly tunable Vertical External Cavity Surface-emitting Organic Lasers. , 2013, , .		0
23	Organic Materials for Solid-State Lasers. Springer Series in Optical Sciences, 2013, , 75-106.	0.0	1
24	Lasers organiques accordables dans l'UV (309â€“322 nm). , 2013, , .		0
25	Towards Applications of Organic Solid-State Lasers. Springer Series in Optical Sciences, 2013, , 151-166.	0.0	0
26	Novel Concepts for Organic Lasers. Springer Series in Optical Sciences, 2013, , 131-149.	0.0	0
27	Laser turn-on behavior in organic vertical-external cavity surface-emitting lasers. Proceedings of SPIE, 2012, , .	1.0	1
28	Towards polarization controlled organic micro-lasers. Proceedings of SPIE, 2012, , .	1.0	3
29	White organic light-emitting diodes with ultra-thin mixed emitting layer. Proceedings of SPIE, 2012, , .	1.0	0
30	Polarization properties of solid-state organic lasers. Physical Review A, 2012, 86, .	2.5	21
31	Recent advances in solidâ€“state organic lasers. Polymer International, 2012, 61, 390-406.	3.2	328
32	Tunable ultraviolet vertically-emitting organic laser. Applied Physics Letters, 2011, 98, .	3.2	24
33	Implementation of PT symmetric devices using plasmonics: principle and applications. Optics Express, 2011, 19, 18004.	3.4	194
34	Analytical study of vertical external-cavity surface-emitting organic lasers. EPJ Applied Physics, 2011, 56, 34108.	0.8	13
35	Sum-frequency mixing and phase matching in a mercury ablation plume. , 2011, , .		0
36	Organic Lightâ€“Emitting Diodes. , 2010, , 309-350.		1

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37	Red-emitting fluorescent organic light emitting diodes with low sensitivity to self-quenching. Journal of Applied Physics, 2010, 108, .	2.3	32
38	Highly efficient, diffraction-limited laser emission from a vertical external-cavity surface-emitting organic laser. Optics Letters, 2010, 35, 1968.	3.3	34
39	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
40	Energy enhancement of a highly coherent VUV source at 125 nm for nanopatterning applications. , 2009, , .		0
41	Laser operation in nondoped thin films made of a small-molecule organic red-emitter. Applied Physics Letters, 2009, 95, .	3.2	44
42	Diffusion of triplet excitons in an operational organic light-emitting diode. Physical Review B, 2009, 79, .	3.3	40
43	Investigation of a laser-induced ablation plume of mercury as a nonlinear medium for Vacuum UltraViolet generation. , 2009, , .		0
44	Measurement of triplet exciton diffusion in the context of organic lasers. Proceedings of SPIE, 2008, , .	1.0	1
45	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
46	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
47	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
48	Passively Q-switched diode-pumped Cr ⁴⁺ :YAG/Nd ³⁺ :GdVO ₄ monolithic microchip laser. Optics Communications, 2006, 259, 816-819.	2.2	49
49	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
50	On thermal effects in solid-state lasers: The case of ytterbium-doped materials. Progress in Quantum Electronics, 2006, 30, 89-153.	7.9	328
51	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
52	White organic light-emitting diodes with fine chromaticity tuning via ultrathin layer position shifting. Applied Physics Letters, 2006, 89, 183513.	3.2	65
53	Color tunability (including white) in OLEDs by shifting the position of an ultrathin yellow layer in a blue matrix. , 2006, , .		0
54	Highly efficient multilayer organic pure-blue-light emitting diodes with substituted carbazoles compounds in the emitting layer. , 2006, , .		1

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55	Influence of thickness and position of an ultrathin yellow layer on color tuning (including white) of Organic Light Emitting Diodes. , 2006, , .		1
56	Enhanced production of coherent pulsed radiation at 125 nm: The route towards a tabletop VUV laser. , 2006, , .		0
57	High-power spatial singlemode quantum cascade lasers at 8.9â€¦[micro sign]m. Electronics Letters, 2005, 41, 418.	1.0	3
58	High-resolution absolute temperature mapping of laser crystals in diode-end-pumped configuration. , 2005, , .		6
59	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
60	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
61	Development of a Multi-kHz Optical Bench for Nonlinear Optical Diagnostic. , 2005, , .		0
62	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
63	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
64	Room-temperature CW operation of ($\lambda = 9 \mu\text{m}$) InP-based quantum cascade lasers. , 2004, , .		0
65	Ultra-long cavity passively mode-locked diode-pumped Nd:YVO ₄ laser. , 2004, , .		0
66	Ultra-long cavity passively mode-locked diode-pumped Nd:YVO ₄ laser. , 2004, , .		0
67	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
68	Laser picoseconde Ã© cavitÃ© gÃ©ante. European Physical Journal Special Topics, 2004, 119, 253-254.	0.2	0
69	Picosecond laser source at 1 MHz with continuous tunability in the visible red band. Optics Communications, 2003, 220, 187-192.	2.2	15
70	Passively mode-locked diode-pumped Nd:YVO ₄ oscillator operating at an ultralow repetition rate. Optics Letters, 2003, 28, 1838.	3.3	42
71	Diode-pumped sub-ns ultraviolet laser system operating at 1 MHz. , 2003, , 369.		0
72	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

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73	Diode-pumped sub-ns ultraviolet laser system operating at 1 MHz. , 0, , .		0
74	80-1/4s pulsewidth from a circulation-free diode-pumped liquidorganic laser limited by thermal blooming. Optics Express, 0, , .	3.4	0