

Jesper Munch

List of Publications by Year in descending order

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49
papers

1,050
citations

567144

15
h-index

414303

32
g-index

49
all docs

49
docs citations

49
times ranked

1353
citing authors

#	ARTICLE	IF	CITATIONS
1	High Energy Cryogenically Cooled Ho:YAG Oscillator. , 2021, , .		0
2	Cryogenically cooled, Ho:YAG, Q-switched laser. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.1	9
3	High-power lasers for gravitational-wave detectors. International Journal of Population Studies, 2019, , 257-280.	0.0	0
4	Erbium-doped mid-infrared fiber lasers. , 2019, , .		1
5	Recent Advances in 3.5 μm Erbium-Doped Mid-Infrared Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 6-14.	1.9	59
6	High power cryogenic Ho:YAG laser. Optics Express, 2017, 25, 31889.	1.7	14
7	High power cryogenically cooled Ho:YAG laser. , 2017, , .		0
8	Efficient, low threshold, cryogenic Ho:YAG laser. Optics Express, 2016, 24, 11569.	1.7	15
9	New energy-transfer upconversion process in Er^{3+} :ZBLAN mid-infrared fiber lasers. Optics Express, 2016, 24, 6869.	1.7	52
10	Overview of Advanced LIGO adaptive optics. Applied Optics, 2016, 55, 8256.	2.1	53
11	Erbium-doped Mid-Infrared Fiber Lasers. , 2016, , .		0
12	Self-pulsing in Tm-doped YAlO_3 Excited-state absorption and chaos. Physical Review A, 2015, 91, .		0
13	Wavelength Tunable Mid-infrared Er^{3+} :ZBLAN Fiber Laser at 3.5 μm using Dual Wavelength Pumping. , 2015, , .		1
14	Tellurite microspheres for nanoparticle sensing and novel light sources. Optics Express, 2014, 22, 11995.	1.7	29
15	Mid-infrared fiber lasers at and beyond 3.5 μm using dual-wavelength pumping. Optics Letters, 2014, 39, 493.	1.7	150
16	Suppression of self-pulsing in Tm:YAlO ₃ lasers via current feedback. Applied Physics B: Lasers and Optics, 2014, 114, 415-419.	1.1	2
17	A Higher Power 3.5 μm Fibre Laser. , 2014, , .		5
18	Cryogenic, high power, near diffraction limited, Yb:YAG slab laser. Optics Express, 2013, 21, 6973.	1.7	19

#	ARTICLE	IF	CITATIONS
19	Surface tension and viscosity measurement of optical glasses using a scanning CO ₂ laser. Optical Materials Express, 2012, 2, 1101.	1.6	36
20	Single-pulse measurement of wind velocities using an Er:Yb:glass coherent laser radar. Applied Optics, 2011, 50, 4017.	2.1	5
21	Stable, Single Frequency Er:YAG Lasers at 1.6 μm . IEEE Journal of Quantum Electronics, 2010, 46, 1039-1042.	1.0	146
22	Injection Mode-Locked, Q-Switched Nd:YAG Laser at 1319 nm. IEEE Journal of Quantum Electronics, 2010, 46, 1086-1090.	1.0	4
23	A bright, pulsed, guide star laser for very large telescopes. Proceedings of SPIE, 2010, , .	0.8	0
24	A pulsed guide star laser can be the brightest. , 2010, , .		0
25	Observation of optical torsional stiffness in a high optical power cavity. Applied Physics Letters, 2009, 94, 081105.	1.5	7
26	Direct measurement of absorption-induced wavefront distortion in high optical power systems. Applied Optics, 2009, 48, 355.	2.1	14
27	Efficient Pulse Stretching of Q-Switched Lasers. IEEE Journal of Quantum Electronics, 2008, 44, 911-915.	1.0	7
28	A new guide star laser using optimized injection mode-locking. Proceedings of SPIE, 2008, , .	0.8	4
29	Development of a Sodium Laser Guide Star for Astronomical Adaptive Optics Systems. , 2007, , .		1
30	Development of a 1.5 μm Er:Yb:glass laser for use in a Coherent Laser Radar. , 2007, , .		0
31	Injection mode-locked guide star laser concept and design verification experiments. Optics Express, 2007, 15, 2369.	1.7	11
32	Ultra-sensitive wavefront measurement using a Hartmann sensor. Optics Express, 2007, 15, 10370.	1.7	42
33	Tomographic wavefront sensors for advanced gravitational wave interferometers. , 2006, , .		0
34	An off-axis Hartmann sensor for the measurement of absorption-induced wavefront distortion in advanced gravitational wave interferometers. General Relativity and Gravitation, 2005, 37, 1575-1580.	0.7	8
35	Low noise laser-based T-ray spectroscopy of liquids using double-modulated differential time-domain spectroscopy. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S786-S795.	1.4	28
36	Development of Power Scalable Lasers for Gravitational Wave Interferometry. Progress of Theoretical Physics Supplement, 2003, 151, 216-220.	0.2	2

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37	NOISE REDUCTION IN TERAHERTZ THIN FILM MEASUREMENTS USING A DOUBLE MODULATED DIFFERENTIAL TECHNIQUE. Fluctuation and Noise Letters, 2002, 02, R13-R28.	1.0	24
38	Amplification and modelling of bioaffinity detection with terahertz spectroscopy. , 2002, , .		2
39	Terahertz spectroscopy of bound water in nano suspensions. , 2002, 4937, 49.		12
40	Label-free bioaffinity detection using terahertz technology. Physics in Medicine and Biology, 2002, 47, 3789-3795.	1.6	131
41	Double modulated differential THz-TDS for thin film dielectric characterization. Microelectronics Journal, 2002, 33, 1033-1042.	1.1	43
42	Thin film characterization using terahertz differential time-domain spectroscopy and double modulation. , 2001, , .		10
43	A TRANSIENT, THREE-DIMENSIONAL MODEL OF STIMULATED BRILLOUIN SCATTERING. Journal of Nonlinear Optical Physics and Materials, 2001, 10, 1-27.	1.1	9
44	Temporal structure of stimulated-Brillouin-scattering reflectivity considering transversal-mode development. Physical Review A, 2001, 64, .	1.0	4
45	Title is missing!. Optical and Quantum Electronics, 1999, 31, 515-523.	1.5	1
46	<title>Analysis of system trade-offs for terahertz imaging</title>. , 1999, 3891, 226.		3
47	Nature of intensity and phase modulations in stimulated Brillouin scattering. Physical Review A, 1998, 57, 3961-3971.	1.0	29
48	Evaluation of photoscreener instruments in a childhood population: 1. Otago photoscreener and Dortmundmans videophotorefractor. Australian and New Zealand Journal of Ophthalmology, 1996, 24, 347-355.	0.4	5
49	Interaction length for optical phase conjugation by stimulated Brillouin scattering: an experimental investigation. Applied Optics, 1989, 28, 3099.	2.1	40