Deyuan Shen

List of Publications by Year
in descending order

46 papers	866 citations	623734 14 h-index	501196 28 g-index
46 all docs	46 docs citations	46 times ranked	775 citing authors

#	Article	IF	Citations
1	High Power and Efficient Operation of Tm:YAG Ceramic Laser Resonantly Pumped at 1620 nm. IEEE Photonics Journal, 2022, 14, 1-3.	2.0	0
2	Fabrication of highâ€efficiency Yb:Y₂O₃ laser ceramics without photodarkening. Journal of the American Ceramic Society, 2022, 105, 3375-3381.	3.8	14
3	Single longitudinal mode lasing near the exceptional point in a fiber laser using a tunable isolator. Optics Letters, 2022, 47, 2222.	3.3	7
4	Microfiber-Knot-Resonator-Induced Energy Transferring From Vector Noise-Like Pulse to Scalar Soliton Rains in an Erbium-Doped Fiber Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-6.	2.9	6
5	Stable Q-switched mode-locking of an in-band pumped Ho : Y₂O₃ ceramic laser at 2117 nm. Quantum Electronics, 2021, 51, 419-422.	1.0	2
6	Local nonlinearity engineering of evanescent-field-interaction fiber devices embedding in black phosphorus quantum dots. Nanophotonics, 2021, 11, 87-100.	6.0	5
7	Dual-wavelength dissipative solitons in an anomalous-dispersion-cavity fiber laser. Nanophotonics, 2020, 9, 2361-2366.	6.0	9
8	Nonlinear Absorbing-Loop Mirror in a Holmium-Doped Fiber Laser. Journal of Lightwave Technology, 2020, 38, 6069-6075.	4.6	27
9	High Peak Power Acousto-Optically Q-Switched Ho:Y₂O₃ Ceramic Laser at 2117 nm. IEEE Photonics Technology Letters, 2020, 32, 492-495.	2.5	7
10	Breach and recurrence of dissipative soliton resonance during period-doubling evolution in a fiber laser. Physical Review A, 2020, 102, .	2.5	8
11	High Power Ho:YAP Laser With 107 W of Output Power at 2117 nm. IEEE Photonics Journal, 2020, 12, 1-7.	2.0	12
12	Sensing Enhancement at an Exceptional Point in a Nonreciprocal Fiber Ring Cavity. Journal of Lightwave Technology, 2020, 38, 2511-2515.	4.6	9
13	Unusual Evolutions of Dissipative-Soliton-Resonance Pulses in an All-Normal Dispersion Fiber Laser. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	12
14	Route to Larger Pulse Energy in Ultrafast Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9.	2.9	15
15	High-Power Ho-Doped Sesquioxide Ceramic Laser In-Band Pumped by a Tm-Doped All-Fiber MOPA. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	5
16	Peak-Power-Clamped Passive Q-Switching of a Thulium/Holmium Co-Doped Fiber Laser. Journal of Lightwave Technology, 2018, 36, 4975-4980.	4.6	7
17	Cavity-birefringence-dependent h-shaped pulse generation in a thulium-holmium-doped fiber laser. Optics Letters, 2018, 43, 247.	3.3	49
18	Stable Q-Switched Mode-Locking of 2.7 Î¼m Er:Y2O3 Ceramic Laser Using a Semiconductor Saturable Absorber. Applied Sciences (Switzerland), 2018, 8, 1155.	2.5	3

#	Article	IF	Citations
19	High Power and Short Pulse Width Operation of Passively Q-Switched Er:Lu2O3 Ceramic Laser at 2.7 Î¼m. Applied Sciences (Switzerland), 2018, 8, 801.	2.5	4
20	Dissipative Soliton Resonances in a Mode-Locked Holmium-Doped Fiber Laser. IEEE Photonics Technology Letters, 2018, 30, 1699-1702.	2.5	23
21	Stabilizing and Tuning the Laser Frequencies in Er-Doped Fiber Ring Lasers Based on Microbubble Resonators. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	4
22	Short-Pulse-Width Repetitively Q-Switched ~2.7-Î¼m Er:Y2O3 Ceramic Laser. Applied Sciences (Switzerland), 2017, 7, 1201.	2.5	6
23	Theoretical analysis of mutual injection mechanism in spectral beam combining diode laser array. Optical Engineering, 2017, 56, 1.	1.0	1
24	Dual-wavelength single-frequency laser emission in asymmetric coupled microdisks. Scientific Reports, 2016, 6, 38053.	3.3	16
25	Revision on fiber dispersion measurement based on Kelly sideband measurement. Microwave and Optical Technology Letters, 2016, 58, 242-245.	1.4	11
26	A Diode-Pumped Dual-Wavelength Tm, Ho:ÂYAG Ceramic Laser. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	3
27	Characterization and compression of dissipative-soliton-resonance pulses in fiber lasers. Scientific Reports, 2016, 6, 23631.	3.3	62
28	Passively Q-switched 1617-nm polycrystalline ceramic Er:YAG laser using a Cr:ZnSe saturable absorber. Applied Physics B: Lasers and Optics, 2015, 120, 305-309.	2.2	7
29	High-power LD end-pumped Tm:YAG ceramic slab laser. Applied Physics B: Lasers and Optics, 2015, 118, 533-538.	2.2	9
30	Mechanism of Dissipative-Soliton-Resonance Generation in Passively Mode-Locked All-Normal-Dispersion Fiber Lasers. Journal of Lightwave Technology, 2015, 33, 3781-3787.	4.6	112
31	Novel Raman Fiber Lasers Emitting in the U-Band With Combined Volume Bragg Gratings. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	5
32	Highly efficient resonantly pumped 2000Ânm Tm:YAG ceramic laser. Optical Engineering, 2014, 53, 040501.	1.0	5
33	Graphene passively Q-switched Ho:YAG ceramic laser. Applied Physics B: Lasers and Optics, 2014, 116, 947-950.	2.2	39
34	High-Power and Narrow-Linewidth Er, Yb Fiber Laser Locked by a Volume Bragg Grating-Pair. IEEE Journal of Quantum Electronics, 2014, 50, 88-91.	1.9	4
35	Vector Soliton Generation in a Tm Fiber Laser. IEEE Photonics Technology Letters, 2014, 26, 769-772.	2.5	31
36	Fabrication and Optical Properties of Highly Transparent <scp>Er</scp>:<scp>YAG</scp> Polycrystalline Ceramics for Eyeâ€Safe Solidâ€State Lasers“. International Journal of Applied Ceramic Technology, 2013, 10, 123-128.	2.1	15

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37	Volume Bragg Grating-Based Tunable Er,Yb Fiber Lasers Covering the Whole C- and L-Band. IEEE Photonics Technology Letters, 2013, 25, 1488-1491.	2.5	14
38	Efficient Graphene Q-Switching of an In-Band Pumped Polycrystalline Er:YAG Ceramic Laser at 1617 nm. IEEE Photonics Technology Letters, 2013, 25, 1294-1296.	2.5	11
39	High Repetition Rate Gain-Switched Thulium Fiber Laser With an Acousto-Optic Modulator. IEEE Photonics Technology Letters, 2013, 25, 1943-1946.	2.5	7
40	Optical properties and laser performance of Ho:LuAG ceramics. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 903-906.	0.8	2
41	Novel transparent ceramics for solid-state lasers. High Power Laser Science and Engineering, 2013, 1, 138-147.	4.6	24
42	Topological Insulator: <formula formulatype="inline"><tex Notation="TeX">$hbox{Bi}_{2}hbox{Te}_{3}$ </tex></formula> Saturable Absorber for the Passive Q-Switching Operation of an in-Band Pumped 1645-nm Er:YAG Ceramic Laser. IEEE Photonics Journal, 2013, 5, 1500707-1500707.	2.0	132
43	Solidâ€State Reactive Sintering and Optical Characteristics of Transparent <scp>Er:YAG</scp> Laser Ceramics. Journal of the American Ceramic Society, 2012, 95, 1029-1032.	3.8	10
44	Polycrystalline <scp><scp>Ho:YAG</scp></scp> Transparent Ceramics for Eyeâ€Safe Solid State Laser Applications. Journal of the American Ceramic Society, 2012, 95, 52-55.	3.8	36
45	Highly efficient Tm:YAG ceramic laser resonantly pumped at 1617 nm. Optics Letters, 2011, 36, 4485.	3.3	53
46	Modeling and optimization of stable gain-switched Tm-doped fiber lasers. Optical Review, 2011, 18, 360-364.	2.0	23