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	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
2	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
3	Characterization and compression of dissipative-soliton-resonance pulses in fiber lasers. Scientific Reports, 2016, 6, 23631.	3.3	62
4	Highly efficient Tm:YAG ceramic laser resonantly pumped at 1617 nm. Optics Letters, 2011, 36, 4485.	3.3	53
5	Cavity-birefringence-dependent h-shaped pulse generation in a thulium-holmium-doped fiber laser. Optics Letters, 2018, 43, 247.	3.3	49
6	Graphene passively Q-switched Ho:YAG ceramic laser. Applied Physics B: Lasers and Optics, 2014, 116, 947-950.	2.2	39
7	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
8	Vector Soliton Generation in a Tm Fiber Laser. IEEE Photonics Technology Letters, 2014, 26, 769-772.	2.5	31
9	Nonlinear Absorbing-Loop Mirror in a Holmium-Doped Fiber Laser. Journal of Lightwave Technology, 2020, 38, 6069-6075.	4.6	27
10	Novel transparent ceramics for solid-state lasers. High Power Laser Science and Engineering, 2013, 1, 138-147.	4.6	24
11	Modeling and optimization of stable gain-switched Tm-doped fiber lasers. Optical Review, 2011, 18, 360-364.	2.0	23
12	Dissipative Soliton Resonances in a Mode-Locked Holmium-Doped Fiber Laser. IEEE Photonics Technology Letters, 2018, 30, 1699-1702.	2.5	23
13	Dual-wavelength single-frequency laser emission in asymmetric coupled microdisks. Scientific Reports, 2016, 6, 38053.	3.3	16
14	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
15	Route to Larger Pulse Energy in Ultrafast Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9.	2.9	15
16	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
17	Fabrication of highâ€efficiency Yb:Y₂O₃ laser ceramics without photodarkening. Journal of the American Ceramic Society, 2022, 105, 3375-3381.	3.8	14
18	Unusual Evolutions of Dissipative-Soliton-Resonance Pulses in an All-Normal Dispersion Fiber Laser. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	12

#	Article	IF	Citations
19	High Power Ho:YAP Laser With 107 W of Output Power at 2117 nm. IEEE Photonics Journal, 2020, 12, 1-7.	2.0	12
20	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
21	Revision on fiber dispersion measurement based on Kelly sideband measurement. Microwave and Optical Technology Letters, 2016, 58, 242-245.	1.4	11
22	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
23	High-power LD end-pumped Tm:YAG ceramic slab laser. Applied Physics B: Lasers and Optics, 2015, 118, 533-538.	2.2	9
24	Dual-wavelength dissipative solitons in an anomalous-dispersion-cavity fiber laser. Nanophotonics, 2020, 9, 2361-2366.	6.0	9
25	Sensing Enhancement at an Exceptional Point in a Nonreciprocal Fiber Ring Cavity. Journal of Lightwave Technology, 2020, 38, 2511-2515.	4.6	9
26	Breach and recurrence of dissipative soliton resonance during period-doubling evolution in a fiber laser. Physical Review A, 2020, 102, .	2.5	8
27	High Repetition Rate Gain-Switched Thulium Fiber Laser With an Acousto-Optic Modulator. IEEE Photonics Technology Letters, 2013, 25, 1943-1946.	2.5	7
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	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
30	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
31	Single longitudinal mode lasing near the exceptional point in a fiber laser using a tunable isolator. Optics Letters, 2022, 47, 2222.	3.3	7
32	Short-Pulse-Width Repetitively Q-Switched ~2.7-Î¼m Er:Y2O3 Ceramic Laser. Applied Sciences (Switzerland), 2017, 7, 1201.	2.5	6
33	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
34	Novel Raman Fiber Lasers Emitting in the U-Band With Combined Volume Bragg Gratings. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	5
35	Highly efficient resonantly pumped 2000Ânm Tm:YAG ceramic laser. Optical Engineering, 2014, 53, 040501.	1.0	5
36	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

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37	Local nonlinearity engineering of evanescent-field-interaction fiber devices embedding in black phosphorus quantum dots. Nanophotonics, 2021, 11, 87-100.	6.0	5
38	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
39	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
40	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
41	A Diode-Pumped Dual-Wavelength Tm, Ho:ÂYAG Ceramic Laser. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	3
42	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
43	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
44	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
45	Theoretical analysis of mutual injection mechanism in spectral beam combining diode laser array. Optical Engineering, 2017, 56, 1.	1.0	1
46	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