Chi Pang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6957555/publications.pdf

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22 papers	338 citations	933447 10 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	280 citing authors

#	Article	IF	Citations
1	88 GHz Q-switched mode-locked waveguide lasers modulated by PtSe₂ saturable absorber. Optics Express, 2019, 27, 8727.	3.4	58
2	Lithium Niobate Crystal with Embedded Au Nanoparticles: A New Saturable Absorber for Efficient Modeâ€Locking of Ultrafast Laser Pulses at 1 Âµm. Advanced Optical Materials, 2018, 6, 1800357.	7.3	41
3	Plasmonic Nanoparticles in Dielectrics Synthesized by Ion Beams: Optical Properties and Photonic Applications. Advanced Optical Materials, 2020, 8, 1902087.	7.3	40
4	Fused Silica with Embedded 2Dâ€Like Ag Nanoparticle Monolayer: Tunable Saturable Absorbers by Interparticle Spacing Manipulation. Laser and Photonics Reviews, 2020, 14, 1900302.	8.7	30
5	Monolithic waveguide laser mode-locked by embedded Ag nanoparticles operating at 1 Î¼m. Nanophotonics, 2019, 8, 859-868.	6.0	26
6	Tailoring optical nonlinearities of LiNbO₃ crystals by plasmonic silver nanoparticles for broadband saturable absorbers. Optics Express, 2018, 26, 31276.	3.4	23
7	Efficient Modulation of Photonic Bandgap and Defect Modes in Allâ€Dielectric Photonic Crystals by Energetic Ion Beams. Advanced Optical Materials, 2020, 8, 2000426.	7.3	22
8	Copper Nanoparticles Embedded in Lithium Tantalate Crystals for Multi-GHz Lasers. ACS Applied Nano Materials, 2019, 2, 5871-5877.	5.0	15
9	Plasmonic Ag nanoparticles embedded in lithium tantalate crystal for ultrafast laser generation. Nanotechnology, 2019, 30, 334001.	2.6	14
10	86â€…GHz Q-switched mode-locked waveguide lasing based on LiNbO₃ crystal embedded Cu nanoparticles. Optical Materials Express, 2019, 9, 3808.	3.0	14
11	A Novel Hierarchical Nanostructure for Enhanced Optical Nonlinearity Based on Scattering Mechanism. Small, 2020, 16, 2003172.	10.0	8
12	Strong Faraday Rotation Based on Localized Surface Plasmon Enhancement of Embedded Metallic Nanoparticles in Glass. Small Science, 2022, 2, .	9.9	8
13	Plasmonic coreâ€“shell nano-heterostructures with temperature-dependent optical nonlinearity. Nanoscale, 2020, 12, 22995-23002.	5.6	6
14	Matrix-material dependence on the elongation of embedded gold nanoparticles induced by 4 MeV C₆₀ and 200 MeV Xe ion irradiation. Nanotechnology, 2020, 31, 265606.	2.6	6
15	Low-dimensional materials as saturable absorbers for pulsed waveguide lasers. JPhys Photonics, 2020, 2, 031001.	4.6	6
16	Nearâ€Infrared Allâ€Optical Switching Based on Nano/Micro Optical Structures in YVO₄ Matrix: Embedded Plasmonic Nanoparticles and Laserâ€Written Waveguides. Advanced Photonics Research, 2021, 2, 2000064.	3.6	6
17	Ag nanoparticles embedded in Nd:YAG crystals irradiated with tilted beam of 200 MeV Xe ions: optical dichroism correlated to particle reshaping. Nanotechnology, 2018, 29, 424001.	2.6	5
18	WS2-based Q-switched laser generation from Nd:YAG ridge waveguides fabricated by combination of swift heavy ion irradiation and laser ablation. Optical Materials, 2019, 92, 163-166.	3.6	4

#	Article	IF	Citations
19	Ultrafast Saturable Absorbers: Fused Silica with Embedded 2Dâ€Like Ag Nanoparticle Monolayer: Tunable Saturable Absorbers by Interparticle Spacing Manipulation (Laser Photonics Rev. 14(2)/2020). Laser and Photonics Reviews, 2020, 14, 2070014.	8.7	3
20	Q-switched mode-locked laser generation by Au nanoparticles embedded in LiTaO3 crystals. Optical Materials, 2021, 122, 111714.	3.6	2
21	Mode-Locked Lasers: Lithium Niobate Crystal with Embedded Au Nanoparticles: A New Saturable Absorber for Efficient Mode-Locking of Ultrafast Laser Pulses at 1 Âµm (Advanced Optical Materials) Tj ETQq1 1 0.784314 rgBT /Overloc		
22	Optical Nonlinearity: A Novel Hierarchical Nanostructure for Enhanced Optical Nonlinearity Based on Scattering Mechanism (Small 39/2020). Small, 2020, 16, 2070217.	10.0	0