

Arkusz Gorajek

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

480
citations

1040056

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839539

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all docs

56
docs citations

56
times ranked

337
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Segmented vortex wavefront coherent beam combining. AIP Advances, 2022, 12, . | 1.3 | 0 |
| 2 | Simplified sensitivity analysis of coherent beam combining in a tiled aperture architecture. Applied Optics, 2021, 60, 5012. | 1.8 | 6 |
| 3 | Characterization of Absorption Losses and Transient Thermo-Optic Effects in a High-Power Laser System. Photonics, 2020, 7, 94. | 2.0 | 1 |
| 4 | Investigations of transient thermal optics effects in 10kW fiber laser effector. , 2020, , . | | 0 |
| 5 | All-PM Fiber Thulium-Doped Mode-Locked Fiber Laser and Amplifier Based on Nonlinear Loop Mirror. , 2019, , . | | 0 |
| 6 | Characterization of beam quality of 10-kW class laser. , 2019, , . | | 1 |
| 7 | Beam quality characterization of 10-kW CW fiber laser effector. , 2019, , . | | 0 |
| 8 | MW peak power KTP-OPO-based "eye-safe" transmitter. Opto-electronics Review, 2018, 26, 188-193. | 2.4 | 9 |
| 9 | Modeling of the laser beam shape for high-power applications. Optical Engineering, 2018, 57, 1. | 1.0 | 4 |
| 10 | High-peak power, athermal Nd:YAG transmitter. , 2017, , . | | 1 |
| 11 | Analysis of optical scheme for medium-range directed energy laser weapon system. , 2017, , . | | 0 |
| 12 | Side-pumped neodymium laser with self-adaptive, nonreciprocal cavity. Opto-electronics Review, 2016, 24, . | 2.4 | 1 |
| 13 | Passively Q-switched Nd:YAG laser with diffractive output resonator. Laser Physics Letters, 2014, 11, 115813. | 1.4 | 4 |
| 14 | Self-adaptive, passively Q-switched, diode-side-pumped Nd:YAG slab laser. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 15 | Polycrystalline Cr:ZnSe laser pumped by efficient Tm:YLF laser. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 16 | Short-pulsed gain-switched Cr ²⁺ :ZnSe laser. Laser Physics Letters, 2014, 11, 045803. | 1.4 | 1 |
| 17 | Diffraction-limited, grazing-incidence Nd:YVO4slab laser side pumped by 2D laser diode stack. , 2014, , . | | 0 |
| 18 | Design and characterization of beam shapers for end-pumped lasers. , 2014, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Ultra low threshold gain-switched Cr:ZnSe laser. , 2014, , . | | 0 |
| 20 | High repetition rate, Q-switched Ho:YAG laser resonantly pumped by a 20W linearly polarized Tm: fiber laser. Applied Physics B: Lasers and Optics, 2014, 114, 395-399. | 2.2 | 21 |
| 21 | Quasi-continuous-wave, diode-side-pumped, self-adaptive Nd:YAG slab laser with diffractive output. , 2014, , . | | 0 |
| 22 | Resonantly pumped, Q-switched Ho:YLF laser with output energy of 5 mJ at 1 kHz. Photonics Letters of Poland, 2014, 6, . | 0.4 | 0 |
| 23 | Diode side pumped Nd:YAG slab laser with self-adaptive resonator. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 24 | Compact diode-side-pumped Yb:YAG slab laser operating in room temperature. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 25 | Diode-side-pumped Nd:YAG slab laser with self-adaptive resonator. , 2013, , . | | 0 |
| 26 | Diode pumped, q-switched Tm:YLF laser. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 27 | Polycrystalline Cr ²⁺ :ZnSe Laser Pumped by Efficient Tm:YLF Oscillator. , 2013, , . | | 0 |
| 28 | An efficient, Q-switched, resonantly pumped Ho:YAG laser. , 2013, , . | | 0 |
| 29 | Efficient, high peak power Tm:YLF laser. Photonics Letters of Poland, 2013, 5, . | 0.4 | 0 |
| 30 | The investigation of transient thermal effects in optical elements under high laser intensities. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 31 | A highly efficient resonantly pumped Ho:YAG laser. Proceedings of SPIE, 2012, , . | 0.8 | 1 |
| 32 | Analysis on non-stationary thermo-optical effects occurring in laser mirrors under high heat load. , 2012, , . | | 0 |
| 33 | 250mJ, self-adaptive, diode-side-pumped Nd:YAG slab laser. Optics Letters, 2012, 37, 2598. | 3.3 | 16 |
| 34 | Optimization of end-pumped, actively Q-switched, quasi-III-level laser. , 2012, , . | | 2 |
| 35 | Laser and Thermo-Optical Characterization of Nd:YAG Ceramics. , 2011, , . | | 0 |
| 36 | Q-Switched Ho:YAG Laser Pumped by a Tm:Fiber Laser. , 2011, , . | | 0 |

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|----|--|-----|-----------|
| 37 | Optimization of end-pumped, actively Q-switched quasi-III-level lasers. Optics Express, 2011, 19, 15652. | 3.4 | 11 |
| 38 | Laser and thermo-optical investigations of Nd:YAG ceramics. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 | 0.6 | 3 |
| 39 | Resonantly pumped acousto-optically Q-switched hybrid Ho:YAG laser. Laser Physics Letters, 2011, 8, 281-285. | 1.4 | 16 |
| 40 | Analysis of thermo-optic effects in Nd:YAG ceramics disk under high heat load. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 41 | The new optimization method of Q-switched quasi-three-level lasers. Proceedings of SPIE, 2011, , . | 0.8 | 1 |
| 42 | Resonantly pumped Q-switched Ho:YAG laser. , 2011, , . | | 0 |
| 43 | Investigations of thermal effects in Nd:YAG ceramics under high heat load. , 2011, , . | | 0 |
| 44 | Resonantly pumped, high peak power Er:YAG laser. Laser Physics, 2010, 20, 470-473. | 1.2 | 143 |
| 45 | Q-switched Er:YAG lasers resonantly pumped by Erbium fiber laser. Laser Physics, 2010, 20, 661-664. | 1.2 | 135 |
| 46 | Technology and characterization of Nd:YAG ceramics. AIP Conference Proceedings, 2010, , . | 0.4 | 0 |
| 47 | The eye-safe Q-switched Er:YAG laser. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 48 | Tuneable, hybrid Ho:YAG laser. , 2009, , . | | 0 |
| 49 | High repetition rate, high peak power, diode pumped Tm:YLF laser. Laser Physics Letters, 2009, 6, 109-112. | 1.4 | 45 |
| 50 | Resonantly pumped tunable Ho:YAG laser. Laser Physics Letters, 2009, 6, 531-534. | 1.4 | 43 |
| 51 | High repetition rate, tunable, Q-switched diode pumped Tm:YLF laser. Opto-electronics Review, 2009, 17, . | 2.4 | 11 |
| 52 | Tunable, gain switched Ti3+:Al2O3 laser pumped by intracavity frequency doubled, Nd3+:YLF laser. Photonics Letters of Poland, 2009, 1, . | 0.4 | 0 |
| 53 | Efficient, high peak power, Q-switched, tunable diode pumped Tm:YLF laser. , 2008, , . | | 1 |
| 54 | High repetition rate, acousto-optic Q-switched, diode pumped Tm:YLF laser. , 2008, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 55 | The investigations of tunable, high peak power, diode pumped Tm:YLF laser. , 2008, , . | | 1 |
| 56 | Actively Q-switched Thulium Lasers. , 0, , . | | 2 |