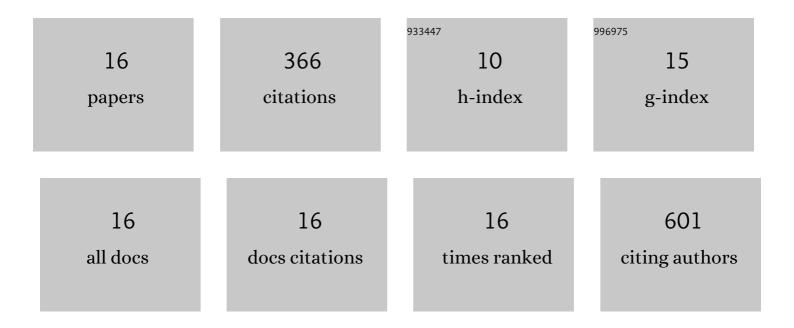
Markus Loeser

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Spectroscopic characterization of Yb3+-doped laser materials at cryogenic temperatures. Applied Physics B: Lasers and Optics, 2014, 116, 75-81. | 2.2 | 70 |
| 2 | First results with the novel petawatt laser acceleration facility in Dresden. Journal of Physics: Conference Series, 2017, 874, 012028. | 0.4 | 68 |
| 3 | Efficient laser-driven proton acceleration from cylindrical and planar cryogenic hydrogen jets. Scientific Reports, 2017, 7, 10248. | 3.3 | 67 |
| 4 | Proton beam quality enhancement by spectral phase control of a PW-class laser system. Scientific Reports, 2021, 11, 7338. | 3.3 | 40 |
| 5 | PEnELOPE: a high peak-power diode-pumped laser system for laser-plasma experiments. Proceedings of SPIE, 2013, , . | 0.8 | 23 |
| 6 | High-efficiency, room-temperature nanosecond Yb:YAG laser. Optics Express, 2009, 17, 19887. | 3.4 | 18 |
| 7 | MHz Repetion Rate Yb:YAG and Yb:CaF2 Regenerative Picosecond Laser Amplifiers with a BBO Pockels Cell. Applied Sciences (Switzerland), 2015, 5, 761-769. | 2.5 | 16 |
| 8 | High-energy diode-pumped D_2O-cooled multislab Yb:YAG and Yb:QX-glass lasers. Optics Letters, 2014, 39, 3611. | 3.3 | 14 |
| 9 | Performance demonstration of the PE <scp>n</scp> ELOPE main amplifier HEPAÂl using broadband nanosecond pulses. High Power Laser Science and Engineering, 2019, 7, . | 4.6 | 13 |
| 10 | Broadband, diode pumped Yb:SiO_2multicomponent glass laser. Optics Letters, 2012, 37, 4029. | 3.3 | 10 |
| 11 | Compact millijoule Yb ³⁺ :CaF ₂ laser with 162 fs pulses. Optics Express, 2021, 29, 9199. | 3.4 | 8 |
| 12 | Optical probing of high intensity laser interaction with micron-sized cryogenic hydrogen jets. Plasma Physics and Controlled Fusion, 2018, 60, 074003. | 2.1 | 7 |
| 13 | Off-harmonic optical probing of high intensity laser plasma expansion dynamics in solid density hydrogen jets. Scientific Reports, 2022, 12, 7287. | 3.3 | 6 |
| 14 | Broadband, diode pumped Yb-doped fused silica laser. Optical Materials Express, 2015, 5, 704. | 3.0 | 4 |
| 15 | Precise measurement of gas parameters in a realistic RPC configuration: The currently used R134a gas and a potential alternative eco-gas. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1024, 166124. | 1.6 | 2 |
| 16 | Pulse Shortening by spectral gain modulation in a regenerative Yb:CaF2 laser amplifier. , 2012, , . | | 0 |