

# Ondrej Kitzler

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

966  
citations

430442

18  
h-index

454577

30  
g-index

59  
all docs

59  
docs citations

59  
times ranked

337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cavity design with single-mirror THz frequency tuning for polariton lasers. Optics Letters, 2022, 47, 3391.	1.7	2
2	Quantum-randomized polarization of laser pulses derived from zero-point diamond motion. Optics Express, 2021, 29, 894.	1.7	0
3	Modelling and characterisation of continuous wave resonantly pumped diamond Raman lasers. Optics Express, 2021, 29, 18427.	1.7	3
4	Transient Frequency Dynamics in Single-Longitudinal-Mode Diamond Raman Lasers. , 2021, , .		0
5	Generation of sub-100â€‰fs ultraviolet pulses from a Kerr-lens mode-locked Ce:LiCAF laser. Applied Optics, 2021, 60, 8316.	0.9	3
6	Diamond Brillouin laser in the visible. APL Photonics, 2020, 5, .	3.0	51
7	Femtosecond Ultraviolet Pulses Generated Directly From a Mode-Locked Ce:LiCAF Laser. , 2020, , .		1
8	Asynchronous Cross-Correlation Using a Time Reference. , 2020, , .		1
9	Investigating single-longitudinal-mode operation of a continuous wave second Stokes diamond Raman ring laser. Optics Express, 2020, 28, 1738.	1.7	13
10	Analysis of a thermal lens in a diamond Raman laser operating at 1.1 kW output power. Optics Express, 2020, 28, 15232.	1.7	14
11	Diamond sodium guide star laser. Optics Letters, 2020, 45, 1898.	1.7	41
12	High Raman gain directions in diamond. , 2020, , .		0
13	Diamond Sodium Guide Star Laser. , 2020, , .		0
14	Continuous Wave Resonantly Pumped Second Stokes Diamond Raman Laser. , 2020, , .		0
15	High-Power Single-Frequency 620 nm Laser Based on Diamond Raman and Intracavity Frequency Doubling. , 2019, , .		0
16	Generalised theory of polarisation modes for resonators containing birefringence and anisotropic gain. Optics Express, 2019, 27, 17209.	1.7	5
17	Single-frequency 620â€‰nm diamond laser at high power, stabilized via harmonic self-suppression and spatial-hole-burning-free gain. Optics Letters, 2019, 44, 839.	1.7	42
18	12â€‰kW quasi-steady-state diamond Raman laser pumped by an M <sup>2</sup> <sub>2</sub>â€‰=â€‰15 beam. Optics Letters, 2019, 44, 2506.	1.7	28

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19	Single-longitudinal-mode diamond laser stabilization using polarization-dependent Raman gain. OSA Continuum, 2019, 2, 1028.	1.8	15
20	High-power single-frequency 620 nm diamond laser. , 2019, , .		0
21	High Power Diamond Raman Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-14.	1.9	59
22	Stimulated Brillouin scattering materials, experimental design and applications: A review. Optical Materials, 2018, 75, 626-645.	1.7	94
23	Large brightness enhancement for quasi-continuous beams by diamond Raman laser conversion. Optics Letters, 2018, 43, 563.	1.7	34
24	Wavelength diversification of high-power external cavity diamond Raman lasers using intracavity harmonic generation. Optics Express, 2018, 26, 1930.	1.7	13
25	302 W quasi-continuous cascaded diamond Raman laser at 15 microns with large brightness enhancement. Optics Express, 2018, 26, 19797.	1.7	29
26	Observation of stimulated Brillouin scattering and Brillouin frequency comb generation in diamond. , 2018, , .		1
27	Continuous-Wave Brillouin Laser Using Bulk Diamond. , 2018, , .		0
28	A Free-space Brillouin Laser Using Diamond. , 2018, , .		0
29	High-power single-pass pumped diamond Raman oscillator. , 2018, , .		0
30	High-power single-pass pumped diamond Raman oscillator. , 2018, , .		0
31	High-power single-pass pumped diamond Raman laser. , 2017, , .		0
32	High power single-longitudinal-mode diamond laser using HÄnsch-Couillaud-type stabilization. , 2017, , .		0
33	Single-longitudinal-mode ring diamond Raman laser. , 2017, , .		0
34	Single-longitudinal-mode diamond Raman lasers in the near-infrared spectral region. , 2017, , .		0
35	Single-longitudinal-mode ring diamond Raman laser. Optics Letters, 2017, 42, 1229.	1.7	23
36	High-gain 87 cm <sup>^-1</sup> Raman line of KYW and its impact on continuous-wave Raman laser operation. Optics Express, 2016, 24, 21463.	1.7	6

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37	Intrinsically stable high-power single longitudinal mode laser using spatial hole burning free gain. <i>Optica</i> , 2016, 3, 876.	4.8	58
38	Birefringence and piezo-Raman analysis of single crystal CVD diamond and effects on Raman laser performance. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, B56.	0.9	19
39	Efficient Raman frequency conversion of high-power fiber lasers in diamond. <i>Laser and Photonics Reviews</i> , 2015, 9, 405-411.	4.4	89
40	Impact of cascading on the efficiency of external cavity cw Raman laser. , 2015, , .		0
41	Stress-induced optical rotation in CVD-grown diamond. , 2015, , .		0
42	Modelling and optimization of continuous-wave external cavity Raman lasers. <i>Optics Express</i> , 2015, 23, 8590.	1.7	37
43	Linewidth narrowing of a tunable mode-locked pumped continuous-wave Ce:LiCAF laser. <i>Optics Letters</i> , 2015, 40, 3065.	1.7	4
44	Continuous-wave ultraviolet Ce:LiCAF laser. , 2015, , .		1
45	Power-scaling and Modelling of CW External Cavity Diamond Raman Lasers. , 2014, , .		0
46	Diamond Raman Lasers. <i>Optics and Photonics News</i> , 2014, 25, 42.	0.4	1
47	Thermal lens evolution and compensation in a high power KGW Raman laser. <i>Optics Express</i> , 2014, 22, 6707.	1.7	11
48	Investigating diamond Raman lasers at the 100-W level using quasi-continuous-wave pumping. <i>Optics Letters</i> , 2014, 39, 4152.	1.7	53
49	High power tungstate-crystal Raman laser operating in the strong thermal lensing regime. <i>Optics Express</i> , 2014, 22, 707.	1.7	21
50	Simultaneous brightness enhancement and wavelength conversion to the eye-safe region in a high-power diamond Raman laser. <i>Laser and Photonics Reviews</i> , 2014, 8, L37.	4.4	51
51	An efficient 14.5 W diamond Raman laser at high pulse repetition rate with first (1240 nm) and second (1485 nm) Stokes output. <i>Laser Physics Letters</i> , 2013, 10, 105801.	0.6	32
52	Power scaling of efficient diamond Raman lasers with 1240 nm and 1485 nm output. , 2013, , .		0
53	High energy intracavity pumped eye-safe BaWO <sub>4</sub> Raman laser. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
54	Continuous-wave wavelength conversion for high-power applications using an external cavity diamond Raman laser. <i>Optics Letters</i> , 2012, 37, 2790.	1.7	67

#	ARTICLE	IF	CITATIONS
55	High average power (11 W) eye-safe diamond Raman laser. Proceedings of SPIE, 2012, , .	0.8	5
56	CVD-diamond external cavity Raman laser operating at 1632 nm. , 2011, , .		1
57	Diamond Raman laser in eye safe region. , 2011, , .		3
58	CW diamond laser architecture for high average power Raman beam conversion. , 2011, , .		0