

David J Spence

List of Publications by Citations

Source: <https://exaly.com/author-pdf/466566/david-j-spence-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103
papers

2,393
citations

25
h-index

45
g-index

143
ext. papers

2,950
ext. citations

3.4
avg, IF

5.18
L-index

#	Paper	IF	Citations
103	Slit beam shaping method for femtosecond laser direct-write fabrication of symmetric waveguides in bulk glasses. <i>Optics Express</i> , 2005 , 13, 5676-81	3.3	224
102	Guiding of high-intensity laser pulses with a hydrogen-filled capillary discharge waveguide. <i>Physical Review Letters</i> , 2002 , 89, 185003	7.4	166
101	Investigation of a hydrogen plasma waveguide. <i>Physical Review E</i> , 2001 , 63, 015401	2.4	148
100	Simulations of a hydrogen-filled capillary discharge waveguide. <i>Physical Review E</i> , 2002 , 65, 016407	2.4	136
99	Wavelength-versatile visible and UV sources based on crystalline Raman lasers. <i>Progress in Quantum Electronics</i> , 2008 , 32, 121-158	9.1	120
98	Continuous-wave, intracavity doubled, self-Raman laser operation in Nd:GdVO(4) at 586.5 nm. <i>Optics Express</i> , 2007 , 15, 7038-46	3.3	103
97	A wavelength-versatile, continuous-wave, self-Raman solid-state laser operating in the visible. <i>Optics Express</i> , 2010 , 18, 20013-8	3.3	68
96	Demonstration of a collisionally excited optical-field-ionization XUV laser driven in a plasma waveguide. <i>Physical Review Letters</i> , 2003 , 91, 205001	7.4	61
95	Deep ultraviolet diamond Raman laser. <i>Optics Express</i> , 2011 , 19, 10857-63	3.3	59
94	Efficient 5.3 W cw laser at 559 nm by intracavity frequency summation of fundamental and first-Stokes wavelengths in a self-Raman Nd:GdVO4 laser. <i>Optics Letters</i> , 2010 , 35, 682-4	3	56
93	Mode-locked picosecond diamond Raman laser. <i>Optics Letters</i> , 2010 , 35, 556-8	3	45
92	Modeling of Continuous Wave Intracavity Raman Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007 , 13, 756-763	3.8	42
91	Highly efficient picosecond diamond Raman laser at 1240 and 1485 nm. <i>Optics Express</i> , 2014 , 22, 3325-33,3	3.3	38
90	First demonstration of guiding of high-intensity laser pulses in a hydrogen-filled capillary discharge waveguide. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, 4103-4112	1.3	37
89	Spectral broadening in continuous-wave intracavity Raman lasers. <i>Optics Express</i> , 2014 , 22, 7492-502	3.3	36
88	Intrinsically stable high-power single longitudinal mode laser using spatial hole burning free gain. <i>Optica</i> , 2016 , 3, 876	8.6	35
87	High Power Diamond Raman Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-14	3.8	33

86	Synchronously pumped continuous-wave mode-locked yellow Raman laser at 559 nm. <i>Optics Express</i> , 2009 , 17, 569-74	3.3	32
85	Spectral effects of stimulated Raman scattering in crystals. <i>Progress in Quantum Electronics</i> , 2017 , 51, 1-45	9.1	29
84	Stimulated polariton scattering in an intracavity RbTiOPO4 crystal generating frequency-tunable THz output. <i>Optics Express</i> , 2016 , 24, 10254-64	3.3	28
83	High-power continuous-wave Raman frequency conversion from 1.06 μm to 1.49 μm in diamond. <i>Optics Express</i> , 2017 , 25, 749-757	3.3	28
82	Two-color multiphoton imaging with a femtosecond diamond Raman laser. <i>Light: Science and Applications</i> , 2017 , 6,	16.7	27
81	Miniature wavelength-selectable Raman laser: new insights for optimizing performance. <i>Optics Express</i> , 2011 , 19, 25623-31	3.3	25
80	Multi-wavelength, all-solid-state, continuous wave mode locked picosecond Raman laser. <i>Optics Express</i> , 2010 , 18, 5289-94	3.3	25
79	All-solid-state parametric Raman anti-Stokes laser at 508 nm. <i>Optics Express</i> , 2009 , 17, 810-8	3.3	25
78	Modelling and optimization of continuous-wave external cavity Raman lasers. <i>Optics Express</i> , 2015 , 23, 8590-602	3.3	24
77	Diamond Raman Laser Design and Performance 2013 , 239-276		24
76	Single-frequency 620 nm diamond laser at high power, stabilized via harmonic self-suppression and spatial-hole-burning-free gain. <i>Optics Letters</i> , 2019 , 44, 839-842	3	24
75	Efficient diamond Raman laser generating 65 fs pulses. <i>Optics Express</i> , 2015 , 23, 15504-13	3.3	23
74	A single-frequency intracavity Raman laser. <i>Optics Express</i> , 2019 , 27, 8540-8553	3.3	23
73	Mode-locked deep ultraviolet Ce:LiCAF laser. <i>Optics Letters</i> , 2009 , 34, 1660-2	3	22
72	Laser-based volumetric colour-coded three-dimensional particle velocimetry. <i>Optics and Lasers in Engineering</i> , 2007 , 45, 882-889	4.6	22
71	Measurement of the electron-density profile in a discharge-ablated capillary waveguide. <i>Optics Letters</i> , 1999 , 24, 993-5	3	22
70	Wavelength tuning and power enhancement of an intracavity Nd:GdVO-BaWO Raman laser using an etalon. <i>Optics Express</i> , 2018 , 26, 32145-32155	3.3	22
69	Spatial and Spectral Effects in Continuous-Wave Intracavity Raman Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 134-141	3.8	21

68	Dramatic enhancement of xuv laser output using a multimode gas-filled capillary waveguide. <i>Physical Review A</i> , 2005 , 71,	2.6	21
67	Molecular-dynamic calculation of the inverse-bremsstrahlung heating of non-weakly-coupled plasmas. <i>Physical Review E</i> , 2004 , 70, 056411	2.4	20
66	1.2 kW quasi-steady-state diamond Raman laser pumped by an M = 15 beam. <i>Optics Letters</i> , 2019 , 44, 2506-2509	3	20
65	Characteristics of 2-photon ultraviolet laser etching of diamond. <i>Optical Materials Express</i> , 2011 , 1, 576	2.6	19
64	Diamond sodium guide star laser. <i>Optics Letters</i> , 2020 , 45, 1898-1901	3	19
63	PumpProbe Measurements of the Raman Gain Coefficient in Crystals Using Multi-Longitudinal-Mode Beams. <i>IEEE Journal of Quantum Electronics</i> , 2015 , 51, 1-8	2	17
62	Single-longitudinal-mode ring diamond Raman laser. <i>Optics Letters</i> , 2017 , 42, 1229-1232	3	17
61	302 W quasi-continuous cascaded diamond Raman laser at 1.5 microns with large brightness enhancement. <i>Optics Express</i> , 2018 , 26, 19797-19803	3.3	17
60	THz polariton laser using an intracavity Mg:LiNbO3 crystal with protective Teflon coating. <i>Optics Express</i> , 2017 , 25, 3991-3999	3.3	17
59	Low-threshold miniature Ce:LiCAF lasers. <i>Optics Communications</i> , 2006 , 262, 238-240	2	17
58	Ti:sapphire-pumped diamond Raman laser with sub-100-fs pulse duration. <i>Optics Letters</i> , 2014 , 39, 2975-8		16
57	Pulse compression in synchronously pumped mode locked Raman lasers. <i>Optics Express</i> , 2010 , 18, 20422-3	3.3	16
56	25.5 fs dissipative soliton diamond Raman laser. <i>Optics Letters</i> , 2016 , 41, 1861-4	3	16
55	Compact integrated actively Q-switched waveguide laser. <i>Optics Express</i> , 2017 , 25, 1692-1701	3.3	15
54	Scaling Q-switched microchip lasers for shortest pulses. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 109, 81-88	1.9	13
53	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-6	3.8	12
52	Multiwavelength ultrafast LiNbO(3) Raman laser. <i>Optics Express</i> , 2015 , 23, 25582-7	3.3	12
51	Tunable continuous-wave deep-ultraviolet laser based on Ce:LiCAF. <i>Optics Letters</i> , 2014 , 39, 1306-9	3	12

50	Diamond-based concept for combining beams at very high average powers. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600130	8.3	11
49	Investigation of blue emission from Raman-active crystals: Its origin and impact on laser performance. <i>Optical Materials Express</i> , 2014 , 4, 889	2.6	11
48	Control of cascading in multiple-order Raman lasers. <i>Optics Letters</i> , 2012 , 37, 3840-2	3	11
47	Continuous-wave VECSEL Raman laser with tunable lime-yellow-orange output. <i>Optics Express</i> , 2012 , 20, 5219-24	3.3	11
46	Tunable THz polariton laser based on 1342 nm wavelength for enhanced terahertz wave extraction. <i>Optics Letters</i> , 2017 , 42, 2691-2694	3	10
45	Study of relaxation oscillations in continuous-wave intracavity Raman lasers. <i>Optics Express</i> , 2010 , 18, 11530-6	3.3	10
44	41.8 μ m Xe8+ laser driven in a plasma waveguide. <i>Physical Review A</i> , 2004 , 70,	2.6	10
43	Modeling of wavelength-selectable visible Raman lasers. <i>Optics Communications</i> , 2012 , 285, 3849-3854	2	9
42	Managing SRS competition in a miniature visible Nd:YVO4/BaWO4 Raman laser. <i>Optics Express</i> , 2012 , 20, 19305-12	3.3	9
41	Analysis of a thermal lens in a diamond Raman laser operating at 1.1 kW output power. <i>Optics Express</i> , 2020 , 28, 15232-15239	3.3	9
40	Single-longitudinal-mode diamond laser stabilization using polarization-dependent Raman gain. <i>OSA Continuum</i> , 2019 , 2, 1028	1.4	9
39	Mode locking using stimulated Raman scattering. <i>Optics Express</i> , 2007 , 15, 8170-5	3.3	8
38	Investigating single-longitudinal-mode operation of a continuous wave second Stokes diamond Raman ring laser. <i>Optics Express</i> , 2020 , 28, 1738-1744	3.3	8
37	SRS in the strong-focusing regime for Raman amplifiers. <i>Optics Express</i> , 2015 , 23, 15012-20	3.3	7
36	Ultrafast second-Stokes diamond Raman laser. <i>Optics Express</i> , 2016 , 24, 8149-55	3.3	7
35	Progress in optical-field-ionization soft X-ray lasers at LOA. <i>Laser and Particle Beams</i> , 2005 , 23,	0.9	7
34	Continuously tunable diamond Raman laser for resonance laser ionization. <i>Optics Letters</i> , 2019 , 44, 3924-3927	7	
33	Asynchronous cross-correlation for weak ultrafast deep ultraviolet laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 97, 759-763	1.9	6

32	Broadly tunable ultraviolet miniature cerium-doped LiLuF lasers. <i>Optics Express</i> , 2008 , 16, 2226-31	3.3	6
31	An investigation into Raman mode locking of fiber lasers. <i>Optics Express</i> , 2008 , 16, 5277-89	3.3	6
30	Simulations of recombination lasing in Ar ⁷⁺ driven by optical field ionization in a capillary discharge waveguide. <i>Optics Communications</i> , 2005 , 249, 501-513	2	6
29	Tunable terahertz generation in the picosecond regime from the stimulated polariton scattering in a LiNbO ₃ crystal. <i>Optics Letters</i> , 2016 , 41, 4409-12	3	6
28	Analytic theory for lasers based on stimulated polariton scattering. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 1706	1.7	5
27	Two-Color, Two-Photon Imaging at Long Excitation Wavelengths Using a Diamond Raman Laser. <i>Microscopy and Microanalysis</i> , 2016 , 22, 803-7	0.5	5
26	Linewidth narrowing of a tunable mode-locked pumped continuous-wave Ce:LiCAF laser. <i>Optics Letters</i> , 2015 , 40, 3065-8	3	4
25	Dynamics of solid-state lasers pumped by mode-locked lasers. <i>Optics Express</i> , 2015 , 23, 4441-52	3.3	4
24	Laser-based volumetric flow visualization by digital color imaging of a spectrally coded volume. <i>Review of Scientific Instruments</i> , 2008 , 79, 013710	1.7	4
23	Generalised theory of polarisation modes for resonators containing birefringence and anisotropic gain. <i>Optics Express</i> , 2019 , 27, 17209-17220	3.3	4
22	Broadly tunable linewidth-invariant Raman Stokes comb for selective resonance photoionization. <i>Optics Express</i> , 2020 , 28, 8589-8600	3.3	4
21	Spectral synthesis of multimode lasers to the Fourier limit in integrated Fabry-Pérot diamond resonators. <i>Optica</i> , 2022 , 9, 317	8.6	4
20	Wedged etalon tuning for miniature and monolithic lasers. <i>Optics Letters</i> , 2006 , 31, 2296-8	3	3
19	Plasmonic second-harmonic generation in gold:lithium niobate thin films. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 302	1.7	3
18	Intracavity THz Polariton Source Using a Shallow-Bounce Configuration. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2019 , 9, 237-242	3.4	2
17	Non-Collinear Beam Combining of Kilowatt Beams in a Diamond Raman Amplifier 2014 ,		2
16	. <i>IEEE Journal of Quantum Electronics</i> , 2011 , 47, 314-319	2	2
15	Linewidth-narrowing of a continuous wave terahertz polariton laser using an intracavity etalon. <i>Optics Letters</i> , 2020 , 45, 157	3	2

14	Terahertz sources based on stimulated polariton scattering. <i>Progress in Quantum Electronics</i> , 2020 , 71, 100254	9.1	1
13	Imaging free and bound NADH towards cancer tissue detection using FLIM system based on SPAD array 2017 ,		1
12	Cascaded continuous-wave Raman frequency conversion in external-cavity diamond lasers 2017 ,		1
11	Energy extraction from pulsed amplified stimulated emission lasers operating under conditions of strong saturation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 1057	1.7	1
10	Progress on collisionally pumped optical-field-ionization soft X-ray lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2004 , 10, 1351-1362	3.8	1
9	Continuous-wave ultraviolet Ce:LiCAF laser 2015 ,		1
8	KGW and diamond picosecond visible Raman lasers 2010 ,		1
7	Cerium lasers generate ultrafast deep ultraviolet pulses 2010 ,		1
6	Femtosecond Ultraviolet Pulses Generated Directly From a Mode-Locked Ce:LiCAF Laser 2020 ,		1
5	Asynchronous Cross-Correlation Using a Time Reference 2020 ,		1
4	Modelling and characterisation of continuous wave resonantly pumped diamond Raman lasers. <i>Optics Express</i> , 2021 , 29, 18427-18436	3.3	1
3	Absorptive laser threshold magnetometry: combining visible diamond Raman lasers and nitrogen-vacancy centres. <i>Materials for Quantum Technology</i> , 2021 , 1, 025003		1
2	Generation of sub-100 fs ultraviolet pulses from a Kerr-lens mode-locked Ce:LiCAF laser. <i>Applied Optics</i> , 2021 , 60, 8316-8320	1.7	0
1	Diamond Raman laser and Yb fiber amplifier for multiphoton fluorescence microscopy.. <i>Biomedical Optics Express</i> , 2022 , 13, 1888-1898	3.5	0