

# Andrew J Lee

## List of Publications by Year in descending order

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62  
papers

985  
citations

430442

18  
h-index

433756

31  
g-index

62  
all docs

62  
docs citations

62  
times ranked

441  
citing authors

#	ARTICLE	IF	CITATIONS
1	A wavelength-versatile, continuous-wave, self-Raman solid-state laser operating in the visible. Optics Express, 2010, 18, 20013.	1.7	89
2	Wavelength-versatile optical vortex lasers. Journal of Optics (United Kingdom), 2017, 19, 123002.	1.0	82
3	An intracavity, frequency-doubled BaWO <sub>4</sub> Raman laser generating multi-watt continuous-wave, yellow emission. Optics Express, 2010, 18, 5984.	1.7	67
4	Efficient 53 W cw laser at 559 nm by intracavity frequency summation of fundamental and first-Stokes wavelengths in a self-Raman Nd:GdVO <sub>4</sub> laser. Optics Letters, 2010, 35, 682.	1.7	63
5	Direct generation of a first-Stokes vortex laser beam from a self-Raman laser. Optics Express, 2013, 21, 12401.	1.7	58
6	A continuous wave SrMoO <sub>4</sub> Raman laser. Optics Letters, 2011, 36, 579.	1.7	45
7	An intracavity, frequency-doubled self-Raman vortex laser. Optics Express, 2014, 22, 5400.	1.7	39
8	Stimulated polariton scattering in an intracavity RbTiOPO <sub>4</sub> crystal generating frequency-tunable THz output. Optics Express, 2016, 24, 10254.	1.7	38
9	A single-frequency intracavity Raman laser. Optics Express, 2019, 27, 8540.	1.7	38
10	Frequency-Tunable THz Source Based on Stimulated Polariton Scattering in $\text{Mg:LiNbO}_3$ . IEEE Journal of Quantum Electronics, 2013, 49, 357-364.	1.0	37
11	Continuous wave, frequency-tunable terahertz laser radiation generated via stimulated polariton scattering. Optics Letters, 2014, 39, 442.	1.7	35
12	Wavelength tuning and power enhancement of an intracavity Nd:GdVO <sub>4</sub> -BaWO <sub>4</sub> Raman laser using an etalon. Optics Express, 2018, 26, 32145.	1.7	33
13	Cascaded stimulated polariton scattering in a Mg:LiNbO <sub>3</sub> terahertz laser. Optics Express, 2015, 23, 8687.	1.7	32
14	Miniature wavelength-selectable Raman laser: new insights for optimizing performance. Optics Express, 2011, 19, 25623.	1.7	29
15	THz polariton laser using an intracavity Mg:LiNbO <sub>3</sub> crystal with protective Teflon coating. Optics Express, 2017, 25, 3991.	1.7	26
16	Near-infrared and orange-red emission from a continuous-wave, second-Stokes self-Raman Nd:GdVO <sub>4</sub> laser. Optics Letters, 2010, 35, 3000.	1.7	25
17	Efficient, miniature, cw yellow source based on an intracavity frequency-doubled Nd:YVO <sub>4</sub> self-Raman laser. Optics Letters, 2011, 36, 1428.	1.7	25
18	Measurement of thermal lensing in a CW BaWO <sub>4</sub> intracavity Raman laser. Optics Express, 2012, 20, 9810.	1.7	22

#	ARTICLE	IF	CITATIONS
19	Direct generation of 1108-nm and 1173-nm Laguerre-Gaussian modes from a self-Raman Nd:GdVO <sub>4</sub> laser. Optics Express, 2020, 28, 24095.	1.7	17
20	Tunable 3-6 THz Polariton Laser Exceeding 0.1 mW Average Output Power Based on Crystalline RbTiOPO 4. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	1.9	16
21	Multiwavelength ultrafast LiNbO <sub>3</sub> Raman laser. Optics Express, 2015, 23, 25582.	1.7	15
22	Broadband terahertz light source pumped by a 1-μm picosecond laser. Applied Physics B: Lasers and Optics, 2013, 110, 321-326.	1.1	13
23	Tunable THz polariton laser based on 1342-nm wavelength for enhanced terahertz wave extraction. Optics Letters, 2017, 42, 2691.	1.7	13
24	Investigation of blue emission from Raman-active crystals: Its origin and impact on laser performance. Optical Materials Express, 2014, 4, 889.	1.6	12
25	A continuous-wave vortex Raman laser with sum frequency generation. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	12
26	Study of relaxation oscillations in continuous-wave intracavity Raman lasers. Optics Express, 2010, 18, 11530.	1.7	11
27	Managing SRS competition in a miniature visible Nd:YVO <sub>4</sub> /BaWO <sub>4</sub> Raman laser. Optics Express, 2012, 20, 19305.	1.7	11
28	Control of cascading in multiple-order Raman lasers. Optics Letters, 2012, 37, 3840.	1.7	11
29	Terahertz sources based on stimulated polariton scattering. Progress in Quantum Electronics, 2020, 71, 100254.	3.5	11
30	Modeling of wavelength-selectable visible Raman lasers. Optics Communications, 2012, 285, 3849-3854.	1.0	9
31	Non-invasive measurement of leaf water content and pressure-volume curves using terahertz radiation. Scientific Reports, 2020, 10, 21028.	1.6	9
32	Analytic theory for lasers based on stimulated polariton scattering. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1706.	0.9	9
33	Tunable terahertz generation in the picosecond regime from the stimulated polariton scattering in a LiNbO <sub>3</sub> crystal. Optics Letters, 2016, 41, 4409.	1.7	7
34	Investigation of femtosecond laser induced thermal ablation of polyethylene. Journal of Laser Applications, 2008, 20, 154-159.	0.8	6
35	Intracavity THz Polariton Source Using a Shallow-Bounce Configuration. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 237-242.	2.0	5
36	Investigation into the power-law dependence of fibre Bragg grating growth. Optics Communications, 2006, 257, 261-269.	1.0	3

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37	Study of Amplitude Noise in a Continuous-Wave Intracavity Frequency-Doubled Raman Laser. IEEE Journal of Quantum Electronics, 2011, 47, 314-319.	1.0	3
38	Competition Effects Between Stimulated Raman and Polariton Scattering in Intracavity KTiOPO4 Crystal. , 2015, , .		2
39	Linewidth-narrowing of a continuous wave terahertz polariton laser using an intracavity etalon. Optics Letters, 2020, 45, 157.	1.7	2
40	Cavity design with single-mirror THz frequency tuning for polariton lasers. Optics Letters, 2022, 47, 3391.	1.7	2
41	High beam quality cw 1.5 W BaWO <sub>4</sub> Raman laser using Nd:YLF as laser active medium. , 2011, , .		1
42	Study of amplitude noise in a continuous-wave intracavity frequency-doubled Raman laser. , 2011, , .		1
43	Geometrical Laguerre-Gaussian mode generation from an off-axis pumped Nd:GdVO <sub>4</sub> degenerate laser. , 2021, , .		1
44	Passively Q-switched and continuous-wave yellow laser formed by a self-Raman composite Nd:YVO <sub>4</sub> /YVO <sub>4</sub> crystal. , 2009, , .		0
45	A self-Raman, Nd:GdVO <sub>4</sub> laser generating 2.5W CW output at 586nm. , 2009, , .		0
46	Continuous-wave second-Stokes self-Raman Nd:GdVO <sub>4</sub> laser. , 2011, , .		0
47	330 mW CW yellow emission from miniature self-Raman laser based on direct HR-coated Nd:YVO <sub>4</sub> crystal. , 2011, , .		0
48	Generation of combs of wavelengths in the infrared and visible using cascaded stimulated Raman scattering in potassium titanyl phosphate. , 2011, , .		0
49	A diode-end-pumped frequency-tunable THz source with very low threshold. , 2012, , .		0
50	Continuous-wave emission from a self-Raman vortex laser. , 2013, , .		0
51	A continuous-wave, solid-state stimulated polariton THz source. , 2013, , .		0
52	Frequency-tunable THz polariton laser based on intracavity RbTiOPO <sub>4</sub> crystal. , 2016, , .		0
53	Q-switched self-Raman vortex laser using a defect mirror. , 2017, , .		0
54	Enhancing THz Emission using a Shallow-Bounce Configuration. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	Laser based fabrication of micro and nano-structures using sacrificial layers. , 2004, , .		0
56	Maximising performance of compact, cw, visible self-Raman lasers by balancing non-linear SRS and SFG effects. , 2012, , .		0
57	Pyroelectric effects in MgO:LiNbO3 and its influence on THz generation in a polariton laser. , 2014, , .		0
58	Multiwavelength ultrafast LiNbO3 Raman laser with cascaded terahertz-wave generation. , 2015, , .		0
59	Multiwavelength ultrafast LiNbO3 Raman laser with cascaded terahertz-wave generation. , 2015, , .		0
60	Power improvement in a CW THz polariton laser. , 2018, , .		0
61	1108 nm vortex mode generation from a Self-Raman Nd:GdVO4 laser. , 2020, , .		0
62	Linewidth narrowing and power enhancement in polariton lasers through the use of etalons. , 2020, , .		0