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## The design and operation of solid-state Raman lasers

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#	Paper	IF	Citations
337	Spectroscopic properties of Nd <sup>3+</sup> ions in La <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> crystal. <b>2003</b> , 381, 598-604		25
336	Efficient 1181 nm self-stimulating Raman output from transversely diode-pumped Nd <sup>3+</sup> :KGd(WO <sub>4</sub> ) <sub>2</sub> laser. <b>2004</b> , 232, 327-331		33
335	Efficient frequency extension of a diode-side-pumped Nd:YAG laser by intracavity SRS in crystalline materials. <b>2004</b> , 242, 575-579		8
334	Growth of large dimension BaWO <sub>4</sub> crystal by the Czochralski method. <b>2004</b> , 270, 582-588		27
333	Solid state lasers with Raman frequency conversion. <i>Progress in Quantum Electronics</i> , <b>2004</b> , 28, 113-143	9.1	217
332	Efficient subnanosecond diode-pumped passively Q-switched Nd:YVO <sub>4</sub> self-stimulated Raman laser. <i>Optics Letters</i> , <b>2004</b> , 29, 1251-3	3	93
331	High-power diode-pumped actively Q-switched Nd:YVO <sub>4</sub> self-Raman laser: influence of dopant concentration. <i>Optics Letters</i> , <b>2004</b> , 29, 1915-7	3	116
330	Compact efficient all-solid-state eye-safe laser with self-frequency Raman conversion in a Nd:YVO <sub>4</sub> crystal. <i>Optics Letters</i> , <b>2004</b> , 29, 2172-4	3	97
329	Diode-pumped passively Q-switched picosecond Nd:GDxY1-xVO <sub>4</sub> self-stimulated raman laser. <i>Optics Letters</i> , <b>2004</b> , 29, 2279-81	3	62
328	The thermal and optical properties of BaWO <sub>4</sub> single crystal. <b>2005</b> , 276, 208-214		42
327	Thermal and mechanical properties of BaWO <sub>4</sub> crystal. <b>2005</b> , 98, 013542		51
326	Raman injection laser. <b>2005</b> , 433, 845-8		107
325	Stimulated Raman scattering in Nd:SrWO <sub>4</sub> . <b>2005</b> , 2, 4-11		47
324	Non-centrosymmetric molybdates CsLiMoO <sub>4</sub> and CsLiMoO <sub>4</sub> ·2H <sub>2</sub> O: crystal growth, polymorphism, efficient Stokes and anti-Stokes generation and cascaded self-frequency [(S)(SRS) -j(L)(SFM)] conversion effects. <b>2005</b> , 202, 2543-2564		11
323	Anisotropic thermal properties of monoclinic Yb:KLu(WO <sub>4</sub> ) <sub>2</sub> crystals. <b>2005</b> , 87, 061104		28
322	Coherent nonlinear optics with quantum cascade structures. <b>2005</b> , 52, 2293-2302		6
321	Developments of cw and pulsed crystalline Raman lasers for the near-infrared and visible. <b>2005</b> ,		

320	Stokes pulse energy of Q-switched lasers with intracavity Raman conversion. <b>2005</b> , 22, 2450		9
319	Stimulated Raman scattering in a potassium titanyl phosphate crystal: simultaneous self-sum frequency mixing and self-frequency doubling. <i>Optics Letters</i> , <b>2005</b> , 30, 400-2	3	37
318	Continuous-wave Raman generation in a diode-pumped Nd <sup>3+</sup> :KGd(WO <sub>4</sub> ) <sub>2</sub> laser. <i>Optics Letters</i> , <b>2005</b> , 30, 1701-3	3	82
317	Continuous-wave, all-solid-state, intracavity Raman laser. <i>Optics Letters</i> , <b>2005</b> , 30, 2454-6	3	78
316	Efficient diode-pumped actively Q-switched Nd:YAG/BaWO <sub>4</sub> intracavity Raman laser. <i>Optics Letters</i> , <b>2005</b> , 30, 3335-7	3	73
315	Growth and thermal properties of SrWO <sub>4</sub> single crystal. <b>2006</b> , 100, 063513		30
314	Highly efficient Raman frequency converter with strontium tungstate crystal. <b>2006</b> , 42, 78-84		43
313	Theoretical and experimental study on the self-Raman laser with Nd:YVO <sub>4</sub> /sub 4/ crystal. <b>2006</b> , 42, 927-933		37
312	Prospects for Silicon Mid-IR Raman Lasers. <b>2006</b> , 12, 1618-1627		69
311	Orthorhombic Ca(HCOO) <sub>2</sub> and monoclinic LiH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> SO <sub>3</sub> · H <sub>2</sub> O crystals [new materials for Raman lasers with large frequency shifts. <b>2006</b> , 203, R15-R17		9
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309	Lattice vibration spectra and thermal properties of SrWO <sub>4</sub> single crystal. <b>2006</b> , 426, 85-90		66
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303	Cascaded compression of the first and second Stokes pulses during forward transient stimulated Raman amplification. <b>2006</b> , 265, 664-671		2

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294	Solid-state Raman lasers. <b>2006</b> ,		
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292	Solid-state Raman laser generating discretely tunable ultraviolet between 266 and 320 nm. <i>Optics Letters</i> , <b>2007</b> , 32, 814-6	3	18
291	All-solid-state 704 mW continuous-wave yellow source based on an intracavity, frequency-doubled crystalline Raman laser. <i>Optics Letters</i> , <b>2007</b> , 32, 1114-6	3	47
290	Modeling of Actively Q-Switched Intracavity Raman Lasers. <b>2007</b> , 43, 722-729		14
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288	Quasi-continuous wave solid-state Raman laser system generating 22 lines from the ultraviolet to near infrared. <b>2007</b> ,		
287	Efficient Broadband Raman Generation in Crystals Driven by Dual-Frequency Femtosecond Laser Fields. <b>2007</b> ,		2
286	Growth and spectroscopic investigation of Yb/Nd co-doped KLu(WO <sub>4</sub> ) <sub>2</sub> laser crystals. <b>2007</b> , 42, 657-662		
285	Monoclinic ethylenediamine (+)-tartrate (NH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>3</sub> )(+)-C <sub>4</sub> H <sub>4</sub> O <sub>6</sub> (EDT) is a new organic non-centrosymmetric crystal for Raman laser converters with large (~1000 cm <sup>-1</sup> ) frequency shifts. <b>2007</b> , 4, 291-303		11

284	Nonlinear (B)-lasing in the tetragonal RbH <sub>2</sub> PO <sub>4</sub> crystal. <b>2007</b> , 4, 868-871		2
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282	Theoretical and experimental study on a diode-pumped actively Q-switched Nd:GdVO <sub>4</sub> self-stimulated Raman laser at 1173nm. <b>2007</b> , 277, 379-384		15
281	Picosecond stimulated Raman scattering of BaWO <sub>4</sub> crystal. <b>2007</b> , 39, 1239-1242		11
280	Low threshold, actively Q-switched Nd <sup>3+</sup> :YVO <sub>4</sub> self-Raman laser and frequency doubled 588nm yellow laser. <b>2007</b> , 271, 555-558		11
279	Efficient high energy 1st, 2nd or 3rd Stokes Raman generation in IR region. <b>2007</b> , 272, 509-513		25
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263	Achieving cellular resolution for in vivo retinal images of transgenic GFAP-GFP mice via image processing. <i>Optics Express</i> , <b>2008</b> , 16, 8250-62	3.3	5
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227	All-solid-state cw sodium D2 resonance radiation based on intracavity frequency-doubled self-Raman laser operation in double-end diffusion-bonded Nd <sup>3+</sup> :LuVO <sub>4</sub> crystal. <i>Optics Letters</i> , <b>2010</b> , 35, 2964-6	3	111
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183	Output power and intracavity intensity profiles of a quasi-continuous end-pumped Nd:YVO <sub>4</sub> self-Raman mini laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 106, 9-17	1.9	2
182	Highly efficient double-ended diffusion-bonded Nd:YVO <sub>4</sub> 1525-nm eye-safe Raman laser under direct 880-nm pumping. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 106, 653-656	1.9	21
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180	Free-space coupled, ultralow-threshold Raman lasing from a silica microcavity. <b>2013</b> , 103, 101102		31
179	Raman characteristics of Nd:LuY <sub>1-x</sub> VO <sub>4</sub> series crystals. <i>Laser Physics</i> , <b>2013</b> , 23, 105804	1.2	1
178	Monoclinic LaGaGe <sub>2</sub> O <sub>7</sub> :Nd <sup>3+</sup> novel SRS- and SE-active crystal with high-order Stokes and anti-Stokes picosecond (B)-nonlinear lasing. <b>2013</b> , 10, 075803		8
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176	Efficient Raman Laser Based on Bulk BaTeMo <sub>2</sub> O <sub>9</sub> Crystals. <b>2013</b> , 6, 042401		4
175	Passively Q-Switched Intracavity BaTeMo <sub>2</sub> O <sub>9</sub> Raman Laser. <b>2013</b> , 6, 052703		4
174	Second-Stokes generation in diode-side-pumped Nd:Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> /BaWO <sub>4</sub> Raman laser. <b>2013</b> , 301-302, 52-55		
173	Actively Q-switched Nd:YVO <sub>4</sub> dual-wavelength stimulated Raman laser at 1178.9 nm and 1199.9 nm. <b>2013</b> , 292, 131-134		22
172	A high power diode-side-pumped Nd:YAG/BaWO <sub>4</sub> Raman laser at 1103 nm. <i>Laser Physics</i> , <b>2013</b> , 23, 045402		3
171	High energy intracavity pumped eye-safe BaWO <sub>4</sub> Raman laser. <b>2013</b> ,		0
170	Diamond Raman Laser Design and Performance. <b>2013</b> , 239-276		24
169	Raman lasers. <b>2013</b> , 493-524		3
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166	Low-threshold Raman laser from an on-chip, high-Q, polymer-coated microcavity. <i>Optics Letters</i> , <b>2013</b> , 38, 1802-4	3	30
165	Diode-pumped actively Q-switched Tm, Ho:GdVO <sub>4</sub> /BaWO <sub>4</sub> intracavity Raman laser at 2533 nm. <i>Optics Letters</i> , <b>2013</b> , 38, 1206-8	3	22
164	Extracavity pumped BaWO <sub>4</sub> anti-Stokes Raman laser. <i>Optics Express</i> , <b>2013</b> , 21, 26014-26	3,3	12
163	Semiconductor disk lasers (VECSELs). <b>2013</b> , 341-393		2
162	Raman Gain Coefficients of Nd:Lu x Y 1x VO 4 Crystals. <b>2013</b> , 30, 117802		1
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160	. <b>2013</b> , 49, 218-223		39
159	A barium tungstate anti-Stokes Raman laser. <b>2013</b> ,		

158	High-efficient diode-pumped passively Q-switched dc-cut Nd:GdVO <sub>4</sub> self-Raman laser. <b>2013</b> , 10, 045403		8
157	Q-switched mode-locking of second-Stokes pulses in a diode-pumped YVO <sub>4</sub> /Nd:YVO <sub>4</sub> /YVO <sub>4</sub> self-Raman laser. <i>Laser Physics</i> , <b>2014</b> , 24, 125003	1.2	6
156	Diamond Raman laser with continuously tunable output from 3.38 to 3.80 $\mu$ m. <i>Optics Letters</i> , <b>2014</b> , 39, 4037-40	3	47
155	Raman operation around 1.2 $\mu$ m within a diode-pumped actively Q-switched ceramic Nd:YAG/SrWO <sub>4</sub> laser. <b>2014</b> , 53, 4039-43		2
154	Highly efficient picosecond diamond Raman laser at 1240 and 1485 nm. <i>Optics Express</i> , <b>2014</b> , 22, 3325-3333		38
153	Four-wavelength laser based on intracavity BaWO <sub>4</sub> Raman conversions of a dual-wavelength Q-switched Nd:YLF laser. <i>Optics Express</i> , <b>2014</b> , 22, 21879-88	3.3	9
152	5.2-W high-repetition-rate eye-safe laser at 1525 nm generated by Nd:YVO <sub>4</sub> /YVO <sub>4</sub> stimulated Raman conversion. <i>Optics Express</i> , <b>2014</b> , 22, 29111-6	3.3	17
151	Intracavity frequency converted Raman laser producing 10 deep blue to cyan emission lines with up to 0.94 W output power. <i>Optics Letters</i> , <b>2014</b> , 39, 6799-802	3	4
150	High power tungstate-crystal Raman laser operating in the strong thermal lensing regime. <i>Optics Express</i> , <b>2014</b> , 22, 707-15	3.3	12
149	YVO <sub>4</sub> /Nd:YVO <sub>4</sub> /YVO <sub>4</sub> self-Raman laser at 1,764 nm. <i>Applied Physics B: Lasers and Optics</i> , <b>2014</b> , 116, 569-574		10
148	Theoretical and experimental study on intracavity pumped SrWO <sub>4</sub> anti-Stokes Raman laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2014</b> , 116, 561-568	1.9	3
147	Theoretical and experimental investigation of an efficient pulsed barium tungstate Raman amplifier at 1180nm. <b>2014</b> , 313, 80-84		6
146	Stimulated Raman scattering of picosecond pulses in YVO <sub>4</sub> crystal. <b>2014</b> , 125, 545-547		5
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144	Ti:sapphire-pumped diamond Raman laser with sub-100-fs pulse duration. <i>Optics Letters</i> , <b>2014</b> , 39, 2975-8		16
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139	Efficient frequency conversion by stimulated Raman scattering in a sodium nitrate aqueous solution. <b>2015</b> , 107, 131108		13
138	Efficient Raman frequency conversion of high-power fiber lasers in diamond. <b>2015</b> , 9, 405-411		55
137	Diode-pumped intracavity yellow-green Raman laser at 560 nm with sum-frequency-generation. <b>2015</b> , 66, 122-124		2
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135	Efficient Eye-Safe Nd:YVO <sub>4</sub> Self-Raman Laser In-Band Pumped at 914 nm. <b>2015</b> , 7, 1-7		5
134	Watt-level, mid-infrared output from a BaWO <sub>4</sub> external-cavity Raman laser at 2.6 $\mu$ m. <i>Optics Letters</i> , <b>2015</b> , 40, 5078-81	3	13
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132	Wide-field imaging and flow cytometric analysis of cancer cells in blood by fluorescent nanodiamond labeling and time gating. <b>2014</b> , 4, 5574		65
131	Efficient picosecond traveling-wave Raman conversion in a SrWO <sub>4</sub> crystal pumped by multi-Watt MOPA lasers at 1064 nm. <i>Applied Physics B: Lasers and Optics</i> , <b>2015</b> , 120, 731-735	1.9	8
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129	Eye-safe actively Q-switched diode-pumped lasers with intracavity Raman conversion in YVO <sub>4</sub> , KGd(WO <sub>4</sub> ) <sub>2</sub> , PbWO <sub>4</sub> , and Ba(NO <sub>3</sub> ) <sub>2</sub> crystals. <b>2015</b> , 351, 1-8		9
128	Q-Switched Yb:YAG/YVO <sub>4</sub> Raman Laser. <b>2015</b> , 27, 1080-1083		7
127	Comparative study of intracavity KTP-based Raman generation between Nd:YAP and Nd:YAG lasers operating on the (4)F(3/2) - j(4)I(13/2) transition. <i>Optics Express</i> , <b>2015</b> , 23, 10435-43	3.3	6
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100	Advances in stimulated Raman scattering in nanostructures. <b>2017</b> , 9, 169		24
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82	Raman-assisted broadband mode-locked laser. <b>2019</b> , 9, 3738			12
81	Resonantly pumped mid-infrared Ho:YAG/BaWO <sub>4</sub> intracavity Raman laser at 2640 nm. <b>2020</b> , 121, 105813			4
80	Efficient dual-wavelength stimulated Raman scattering derived from C H <sub>3</sub> and O H stretching vibrations in ethanol/water blend. <b>2020</b> , 126, 105868			6
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18	An Electro-Optic, Actively Q-Switched Tm:YAP/KGW External-Cavity Raman Laser at 2273 nm and 2344 nm. <i>Photonics</i> , <b>2021</b> , 8, 519	2.2	
17	The Effect of Spontaneous Radiation on the Output Performances of Ho:YAG/SrWO4 Intracavity Raman Lase. <i>Optoelectronics</i> , <b>2021</b> , 11, 214-221	0.1	1
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13	Propagation of broadband coherent lightthrough LIPSS-based metasurfaces in diamond. <i>Optical Materials Express</i> ,	2.6	
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