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## High intensity Raman interactions

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#	Paper	IF	Citations
268	Transient coherent Raman scattering in the time and frequency domain. <i>Optics Communications</i> , <b>1980</b> , 34, 479-482	2	27
267	Frequency shifts in stimulated Raman scattering. <i>Optics Communications</i> , <b>1980</b> , 32, 507-511	2	22
266	Pulse compression by stimulated Brillouin scattering. <i>Optics Letters</i> , <b>1980</b> , 5, 516	3	137
265	Quantum Theory of a Raman Laser. <b>1981</b> , 28, 201-210		2
264	Determination of the spontaneous raman linewidth of CF <sub>4</sub> by measurements of stimulated raman scattering in both transient and steady states. <b>1981</b> , 77, 500-505		1
263	New results on ultrafast coherent excitation of molecular vibrations in liquids. <b>1981</b> , 26, 77-88		59
262	Noncollinear phase matched four photon frequency mixing in water. <i>Optics Communications</i> , <b>1981</b> , 37, 437-441	2	12
261	Picosecond Polarization Spectroscopy of Dye Molecules. <b>1982</b> , 86, 1106-1114		21
260	Ultrafast polarization spectroscopy of dye molecules. <i>Optics Communications</i> , <b>1982</b> , 42, 329-334	2	22
259	Backward scatterings in the picosecond range: Generation and geometrical conditions for wave front reconstruction. <i>Optics Communications</i> , <b>1982</b> , 41, 135-139	2	16
258	High-resolution cars spectroscopy of the CH-stretching mode of liquid benzene. <b>1983</b> , 95, 352-357		3
257	Influence of the non linear refraction index on the phase conjugation efficiency in stimulated scattering effects. <i>Optics Communications</i> , <b>1983</b> , 48, 143-148	2	4
256	Macroscopic Manifestation of Quantum Fluctuations in Transient Stimulated Raman Scattering. <b>1984</b> , 52, 113-116		50
255	Saturable absorption of dyes excited to the long-wavelength region of the S <sub>0</sub> ?S <sub>1</sub> absorption band. <b>1984</b> , 85, 473-479		49
254	Effect of non-exponential dephasing on near-resonant stimulated Raman scattering. <b>1984</b> , 34, 43-48		3
253	Amplification of 193 nm radiation in argon-fluoride and generation of tunable VUV radiation by high-order anti-Stokes Raman scattering. <i>IEEE Journal of Quantum Electronics</i> , <b>1984</b> , 20, 1284-1287	2	29
252	Effects of laser field statistics on coherent anti-Stokes Raman spectroscopy intensities. <i>Optics Letters</i> , <b>1984</b> , 9, 223-5	3	56

251	Prolonged-excitation coherent Raman spectroscopy with spectral resolution beyond the transition linewidth using two tunable picosecond dye lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1985</b> , 2, 322	1.7	8
250	High-power forward Raman amplifiers employing low-pressure gases in light guides I Theory and applications. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1986</b> , 3, 1374	1.7	38
249	High-resolution measurements of saturated coherent anti-Stokes Raman spectroscopy line shapes. <i>Optics Letters</i> , <b>1986</b> , 11, 374-6	3	23
248	Effect of laser mode structure on stimulated Brillouin scattering. <i>IEEE Journal of Quantum Electronics</i> , <b>1986</b> , 22, 2161-2167	2	57
247	Stimulated rotational Raman scattering in the atmosphere. <i>IEEE Journal of Quantum Electronics</i> , <b>1986</b> , 22, 1102-1108	2	30
246	Polarization effects of picosecond CARS in liquids. <b>1986</b> , 39, 141-147		23
245	Parametric bistable resonance in coherent Raman scattering in crystals. <i>Physical Review A</i> , <b>1986</b> , 34, 1277-1296	1.2	12
244	Relaxation times of k=0 rotons in pure parahydrogen crystals and roton scattering by orthohydrogen impurities. <b>1986</b> , 57, 479-482		21
243	Theory of multiwave propagation and frequency conversion in a Raman medium. <i>Physical Review A</i> , <b>1986</b> , 33, 1788-1797	2.6	54
242	High-Power Solid State Lasers. <b>1987</b> , 17-28		
241	Time-Resolved Two-Photon Emission in Cu 2 O. <b>1987</b> , 3, 853-857		18
240	Polarization dependence of gain in stimulated Raman scattering. <b>1987</b> , 58, 2039-2042		19
239	Tuning ranges of KrF and ArF excimer laser amplifiers and of associated vacuum ultraviolet anti-Stokes Raman lines. <b>1987</b> , 42, 67-72		51
238	Investigation of the rotational dynamics in liquids by time-resolved cars. <b>1987</b> , 138, 365-370		27
237	Terahertz quantum beats in molecular liquids. <b>1987</b> , 133, 373-377		153
236	Threshold measurements of stimulated Raman scattering in gases using picosecond KrF laser pulses. <i>Optics Communications</i> , <b>1987</b> , 64, 393-397	2	34
235	Experimental and theoretical investigation of tunable picosecond pulse generation in longitudinally pumped dye laser generators and amplifiers. <b>1988</b> , 20, 395-431		63
234	Solid state lasers. <i>Progress in Quantum Electronics</i> , <b>1988</b> , 12, 291-427	9.1	50

233	Stimulated collision-induced fluorescence and stimulated Raman scattering in barium vapor pumped by XeCl laser radiation. <i>Optics Communications</i> , <b>1988</b> , 67, 378-382	2	2
232	The coherence peak in time-resolved coherent Raman scattering. <i>Optics Communications</i> , <b>1988</b> , 65, 391-396	2	17
231	Optical nonlinearities with ultrashort pulses. <i>Topics in Applied Physics</i> , <b>1988</b> , 35-112	0.5	3
230	Ultrafast coherent spectroscopy. <i>Topics in Applied Physics</i> , <b>1988</b> , 235-277	0.5	7
229	Calculation of saturation line shapes and intensities in coherent anti-Stokes Raman scattering spectra of nitrogen. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1988</b> , 5, 1243	1.7	39
228	. <i>IEEE Journal of Quantum Electronics</i> , <b>1988</b> , 24, 455-459	2	61
227	Roton relaxation in parahydrogen crystals measured by time-resolved stimulated Raman gain. <i>Physical Review A</i> , <b>1988</b> , 37, 4769-4777	2.6	20
226	Rotationally invariant theory of stimulated Raman scattering. <i>Physical Review A</i> , <b>1988</b> , 37, 1588-1596	2.6	25
225	Quantum dynamical theory of a Fermi resonance and subpicosecond spectroscopy of coupled vibrational modes. <b>1988</b> , 21, 397-401		2
224	Stimulated Raman oscillation from the droplets by ultrashort laser pulse. <b>1988</b> , 5, 205-208		3
223	Ultrashort intramolecular and intermolecular vibrational energy transfer of polyatomic molecules in liquids. <i>Topics in Applied Physics</i> , <b>1988</b> , 279-317	0.5	11
222	Diffraction Properties Of Laser Speckle Generated By Stimulated Rotational Raman Scattering In Long Air Paths*. <b>1988</b> , 0874, 2		
221	The dependence of Fourier transform nonlinear Raman spectroscopies on the temporal characteristics of the excitation fields. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 1478-1497	3.9	12
220	Forced Raman scattering in air by a two-frequency laser beam. <b>1989</b> , 22, 797-805		8
219	Saturation effects in coherent anti-Stokes Raman scattering spectroscopy of hydrogen. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1989</b> , 6, 2313	1.7	30
218	Analysis of dephasing signal in picosecond stimulated-Raman-gain experiments. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1989</b> , 6, 2376	1.7	3
217	Nonlinear and Multiphoton Processes. <b>1989</b> , 345-397		
216	Double line stimulated Raman scattering in benzene. <b>1990</b> , 51, 404-413		9

215	Saturation effects and stark shift in hydrogen Q-branch CARS spectra. <b>1990</b> , 144, 265-271		9
214	Generation of time synchronized frequency tunable picosecond light pulses in a mode-locked Nd:glass double laser system. <i>Optics Communications</i> , <b>1990</b> , 78, 41-46	2	3
213	Comparison between the temporal characteristics of picosecond SRS from the cell and SRO from the droplet. <i>Optics Communications</i> , <b>1990</b> , 74, 414-418	2	9
212	Long pulse biasing in the transient stimulated Raman scattering. <i>Optics Communications</i> , <b>1990</b> , 80, 143-148		3
211	Dephasing times of the vibrons in alpha -N2 and in alpha -(15N2)x(14N2)1-x mixed crystals. <i>Physical Review B</i> , <b>1990</b> , 42, 5953-5958	3.3	32
210	Raman gain suppression with multimode lasers. <i>Physical Review A</i> , <b>1990</b> , 41, 395-399	2.6	1
209	III The Quantum Coherence Properties of Stimulated Raman Scattering. <b>1990</b> , 181-270		38
208	. <i>IEEE Journal of Quantum Electronics</i> , <b>1990</b> , 26, 1098-1104	2	9
207	. <i>IEEE Journal of Quantum Electronics</i> , <b>1990</b> , 26, 739-743	2	22
206	. <i>IEEE Journal of Quantum Electronics</i> , <b>1990</b> , 26, 744-759	2	2
205	. <i>IEEE Journal of Quantum Electronics</i> , <b>1990</b> , 26, 1827-1832	2	5
204	Stimulated Raman Gain Detected by Photothermal Beam Deflection for Selective Determination of Organic Compounds. <b>1991</b> , 45, 1590-1597		1
203	Wavelength-dependent soliton self-routing in birefringent fiber filters. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1991</b> , 8, 602	1.7	30
202	Measurement of a Stokes phase jump in spontaneously initiated stimulated Raman scattering. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1991</b> , 8, 2459	1.7	8
201	Fast and slow Raman shock-wave domains in nonlinear media. <i>Optics Communications</i> , <b>1991</b> , 86, 431-436		23
200	Picosecond pulse generation in a benzene raman generator amplifier system. <b>1991</b> , 53, 65-70		7
199	Stimulated Raman Scattering in Analytical Spectroscopy. <b>1992</b> , 27, 245-288		9
198	Heuristic model for the growth and coupling of nonlinear processes in droplets. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1992</b> , 9, 871	1.7	21

197	Fluorescence seeding of weaker-gain Raman modes in microdroplets: enhancement of stimulated Raman scattering. <i>Optics Letters</i> , <b>1992</b> , 17, 1262-4	3	36
196	Reduced threshold of a stimulated four-wave mixing process in an optical fiber. <b>1992</b> , 55, 430-432		3
195	Observation of intense stokes and anti-stokes lines in CH <sub>4</sub> pumped by 355 nm of a Nd:YAG laser. <b>1992</b> , 55, 311-318		7
194	. <i>IEEE Journal of Quantum Electronics</i> , <b>1992</b> , 28, 2434-2444	2	166
193	Intramolecular vibrational activity and quantum beats in the Raman-induced optical Kerr effect of liquids under impulsive electric excitations. <b>1992</b> , 164, 57-71		5
192	Resonant vibrational dephasing investigated by high-precision femtosecond CARS. <b>1992</b> , 191, 182-188		38
191	Stimulated Raman scattering of picosecond pulses in barium nitrate crystals. <i>Optics Communications</i> , <b>1993</b> , 97, 59-64	2	92
190	Internally amplified stimulated Raman spectroscopy. <b>1993</b> , 49, 1003-1008		1
189	Spectral superbroadening of self-focused picosecond laser pulses in D <sub>2</sub> O. <b>1993</b> , 25, 317-349		18
188	Theoretical investigation of noncollinear phase-matched parametric four-photon amplification of ultrashort light pulses in isotropic media. <b>1993</b> , 25, 815-844		26
187	Phase-matched third-harmonic generation of Nd: Glass-laser picosecond pulses in a new cyanine-dye solution. <b>1993</b> , 57, 203-211		5
186	Intense backward Raman lasers in CH <sub>4</sub> and H <sub>2</sub> . <i>Applied Optics</i> , <b>1993</b> , 32, 930-4	1.7	12
185	. <i>IEEE Journal of Quantum Electronics</i> , <b>1993</b> , 29, 515-524	2	2
184	Stimulated Raman scattering from a laser-produced Pb vapor. <b>1993</b> , 62, 823-825		1
183	Efficient Raman conversion of high repetition rate, 193 nm picosecond laser pulses. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 1409-1412	2.5	13
182	CARS with femtosecond time resolution using fluctuating nanosecond laser pulses. <i>Optics Communications</i> , <b>1994</b> , 107, 137-144	2	8
181	. <i>IEEE Journal of Quantum Electronics</i> , <b>1994</b> , 30, 318-328	2	1
180	Efficient pumping of minority species stimulated Raman scattering (SRS) by majority species SRS in a microdroplet of a binary mixture. <b>1995</b> , 239, 361-368		17

179	Picosecond transient spectral hole-burning studies on oxazine 750 in a silicate xerogel. <b>1995</b> , 191, 303-319	20
178	Three-photon absorption and its limitation of third-order nonlinear optical effects in rutile. <i>Applied Physics B: Lasers and Optics</i> , <b>1995</b> , 61, 127-134	1.9 6
177	Investigation of collisionally induced stimulated scattering in sodium vapor with temporal and spectral resolution. <i>Applied Physics B: Lasers and Optics</i> , <b>1995</b> , 61, 101-110	1.9 9
176	Picosecond transient backward stimulated Raman scattering and pumping of femtosecond dye lasers. <i>Optics Communications</i> , <b>1995</b> , 116, 377-382	2 9
175	Stimulated Raman scattering with a Gaussian pump beam in H <sub>2</sub> gas. <i>Physical Review A</i> , <b>1995</b> , 52, 657-670	2.6 14
174	Dynamics in condensed molecular systems studied by incoherent light. <i>Applied Physics B: Lasers and Optics</i> , <b>1996</b> , 63, 209-223	1.9 13
173	Spectral superbroadening of femtosecond laser pulses. <i>Optics Communications</i> , <b>1996</b> , 126, 308-317	2 45
172	Quantum-field coherence in a Raman amplifier. <i>Physical Review A</i> , <b>1996</b> , 53, 3606-3613	2.6 6
171	SRS compression of 1-ns laser pulses in SnCl <sub>4</sub> . <b>1997</b> , 27, 1024-1026	
170	Efficient conical emission of stimulated Raman Stokes light generated by a Bessel pump beam. <i>Optics Letters</i> , <b>1997</b> , 22, 910-2	3 33
169	Generation of high-order rotational lines in hydrogen by four-wave Raman mixing in the femtosecond regime. <i>IEEE Journal of Quantum Electronics</i> , <b>1998</b> , 34, 260-268	2 63
168	Femtosecond stimulated Raman scattering in pressurized gases in the ultraviolet and visible spectral ranges. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1998</b> , 15, 2910	1.7 43
167	Introduction. <b>1999</b> , 11, 301-306	35
166	High resolution spectral measurements of Raman shifts in barium nitrate. <b>1999</b> , 11, 383-390	4
165	Characterization of stimulated Raman scattering of hydrogen and methane gases as a light source for picosecond time-resolved Raman spectroscopy. <b>2000</b> , 31, 339-348	19
164	Observation of low-frequency Raman and Kerr effect contributions in picosecond infrared pump probe experiments. <b>2000</b> , 23, 219-230	22
163	Stimulated Raman Scattering as an Excitation Source for Time-Resolved Excitation-Emission Fluorescence Spectroscopy with Fiber-Optical Sensors. <b>2000</b> , 54, 536-547	12
162	Nonlinear Interactions in Insulating Laser Crystals Under Femto- and Picosecond Excitation. <b>2002</b> , 625-656	1

161	In situ determination of fluorescence lifetimes via inverse Raman scattering. <i>Optics Communications</i> , <b>2002</b> , 202, 209-216	2	8
160	The design and operation of solid-state Raman lasers. <i>Progress in Quantum Electronics</i> , <b>2003</b> , 27, 3-56	9.1	290
159	Scaling of the Raman gain coefficient: applications to germanosilicate fibers. <b>2003</b> , 21, 1652-1662		50
158	Stimulated Raman scattering in counterpropagating pump beams - threshold decrease and pulse compression.		1
157	Simulated Raman Scattering and Stimulated Rayleigh-Wing Scattering. <b>2003</b> , 451-484		2
156	Spatiotemporal dynamics of the amplitude-phase characteristics of stimulated Raman scattering. <b>2004</b> , 97, 91-96		
155	Spatial coherence of transient stimulated Raman scattering. <i>Optics Communications</i> , <b>2004</b> , 239, 7-13	2	2
154	Raman amplification for fiber communications systems. <b>2004</b> , 22, 79-93		319
153	Influence of phase coherence decay on generation of solitary waves in stimulated Raman scattering. <i>Optics Communications</i> , <b>2005</b> , 244, 1-6	2	2
152	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 [(B)(SRS) - (2)(SFM)] conversion effects. <b>2005</b> , 202, 2543-2564		11
151	Stokes pulse energy of Q-switched lasers with intracavity Raman conversion. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2005</b> , 22, 2450	1.7	9
150	4.3 Stimulated scattering. <b>2005</b> , 217-233		
149	Highly efficient Raman frequency converter with strontium tungstate crystal. <i>IEEE Journal of Quantum Electronics</i> , <b>2006</b> , 42, 78-84	2	43
148	Nonlinear processes in microdroplets: a geometrical optics approach. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2006</b> , 23, 289	1.7	1
147	Beam quality improvement at Raman conversion of multimode conical beam. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2006</b> , 23, 1109	1.7	4
146	Nonlinear Optics. <b>2006</b> , 5-1-5-26		2
145	Modeling and experimental investigation of short pulse Raman microchip laser. <i>Optics Communications</i> , <b>2006</b> , 263, 52-59	2	16
144	Cascaded compression of the first and second Stokes pulses during forward transient stimulated Raman amplification. <i>Optics Communications</i> , <b>2006</b> , 265, 664-671	2	2



143 Spectroscopic Techniques: Ultraviolet. **2006**, 641-656

142 Simultaneous time and frequency detection in femtosecond coherent Raman spectroscopy. I. Theory and model calculations. *Journal of Chemical Physics*, **2007**, 127, 044306 3.9 15

141 Simultaneous time and frequency detection in femtosecond coherent Raman spectroscopy. II. Application to acetonitrile. *Journal of Chemical Physics*, **2007**, 127, 044307 3.9 11

140 Q-switched microchip-lasers with intracavity Raman conversion. **2007**,

139 Generation of Raman solitons with a different relative phase by optical phase jump. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 2829 1.7 2

138 Mode locking using stimulated Raman scattering. *Optics Express*, **2007**, 15, 8170-5 3.3 8

137 The influence of temperature on Raman modes in YVO4 and GdVO4 crystals. **2007**, 92, 012073 12

136 Crystalline Raman Lasers. *IEEE Journal of Selected Topics in Quantum Electronics*, **2007**, 13, 692-704 3.8 186

135 Femtosecond stimulated Raman microscopy. *Applied Physics B: Lasers and Optics*, **2007**, 87, 389-393 1.9 240

134 Enhanced Raman scattering spectra for Gaussian light beams. **2007**, 74, 259-266 2

133 Wavelength-versatile visible and UV sources based on crystalline Raman lasers. *Progress in Quantum Electronics*, **2008**, 32, 121-158 9.1 120

132 Low-threshold lasing in stimulated Raman lasers with nanosecond pumping. **2008**, 75, 300-307 8

131 Efficient Raman amplification of low divergent radiation in barium nitrate crystal. *Applied Physics B: Lasers and Optics*, **2008**, 91, 299-303 1.9 7

130 Stimulated Raman Stokes scattering influenced by all-trans- $\beta$ -carotene in liquid-core optical fiber. *Applied Physics B: Lasers and Optics*, **2008**, 91, 467-473 1.9 8

129 Quantum theory of microchip lasers with intracavity SRS-conversion. *Optics Communications*, **2008**, 281, 5202-5212 2 6

128 Spectral shift of Raman generation band in a Bessel pump beam. *Optics Letters*, **2008**, 33, 2728-30 3 2

127 The Behavior of CARS in Anti-Stokes Raman Converters Operating at Exact Raman Resonance. *IEEE Journal of Quantum Electronics*, **2008**, 44, 1248-1255 2 7

126 Stimulated Raman Scattering and Stimulated Rayleigh-Wing Scattering. **2008**, 473-509 2

125	Prediction of temperature dependent KGd(WO <sub>4</sub> ) <sub>2</sub> crystalline Raman laser performance. <b>2008</b> ,		
124	The Outlook for Diamond in Raman Laser Applications. <b>2009</b> , 1203, 1		1
123	Stimulated Raman scattering influenced by concentration, fluorescence profile and bandwidth of $\beta$ -carotene in liquid-core optical fiber. <b>2009</b> , 40, 1039-1042		13
122	Influence of amplified spontaneous emission and fluorescence of $\beta$ -carotene on stimulated Raman scattering of carbon disulfide. <b>2009</b> , 52, 529-533		3
121	Continuous-wave cavity-ringdown detection of stimulated Raman gain spectra. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 94, 1-27	1.9	5
120	A 75 MHz light source for femtosecond stimulated raman microscopy. <i>Optics Express</i> , <b>2009</b> , 17, 18612-2033	3.3	33
119	Very compact and high-power CW self-Raman laser for ophthalmological applications. <b>2010</b> ,		0
118	Disturbing interference patterns in femtosecond stimulated Raman microscopy. <b>2010</b> , 41, 609-613		11
117	Coherent anti-Stokes Raman scattering in Raman lasers and Raman wavelength converters. <b>2010</b> , 4, 656-670		14
116	Photophysical characterisation and photo-cycle dynamics of LOV1-His domain of phototropin from <i>Chlamydomonas reinhardtii</i> with roseoflavin monophosphate cofactor. <b>2010</b> , 101, 76-88		15
115	Fluorescence spectroscopic behaviour of folic acid. <b>2010</b> , 367, 83-92		40
114	Stimulated supercontinuum radiation generation of carbon disulfide by all-trans- $\beta$ -carotene fluorescence enhancement effect in liquid core optical fibre. <b>2010</b> , 19, 084206		2
113	Characteristics of a side pumped tungstate Raman laser. <b>2010</b> ,		
112	Ultrafast Nonlinear Optical Signals Viewed from the Molecule's Perspective. <b>2010</b> , 223-263		66
111	Multi-wavelength, all-solid-state, continuous wave mode locked picosecond Raman laser. <i>Optics Express</i> , <b>2010</b> , 18, 5289-94	3.3	25
110	Pulse compression in synchronously pumped mode locked Raman lasers. <i>Optics Express</i> , <b>2010</b> , 18, 204223-33	3.3	16
109	Mode-locked picosecond diamond Raman laser. <i>Optics Letters</i> , <b>2010</b> , 35, 556-8	3	45
108	1240 nm diamond Raman laser operating near the quantum limit. <i>Optics Letters</i> , <b>2010</b> , 35, 3874-6	3	90

107	Two-Stokes generation and effect of multiwave mixing on output pulse parameters of a Q-switched Raman microchip laser. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 1232	1.7	9
106	Diffraction barrier breakthrough in coherent anti-Stokes Raman scattering microscopy by additional probe-beam-induced phonon depletion. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	24
105	Stimulated Raman Scattering. <b>2011</b> , 245-272		1
104	Quantum random bit generation using stimulated Raman scattering. <i>Optics Express</i> , <b>2011</b> , 19, 25173-80	3.3	30
103	Operation of a Raman laser in bulk silicon. <i>Optics Letters</i> , <b>2011</b> , 36, 1644-6	3	7
102	Two-dimensional stimulated resonance Raman spectroscopy of molecules with broadband x-ray pulses. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 174117	3.9	62
101	Molecular alignment and orientation with a hybrid Raman scattering technique. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	4
100	Coupled-cavity passively Q-switched two-Stokes microchip laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 108, 269-281	1.9	2
99	Investigation of room-temperature Raman conversion in bulk-silicon. <i>Optics Communications</i> , <b>2012</b> , 285, 5389-5396	2	1
98	Passively Q-switched diode-pumped Raman laser with third-order Stokes eye-safe oscillation. <i>Optics Communications</i> , <b>2012</b> , 285, 3659-3664	2	14
97	Modeling of wavelength-selectable visible Raman lasers. <i>Optics Communications</i> , <b>2012</b> , 285, 3849-3854	2	9
96	Direct measurement of the effective input noise power of an optical parametric amplifier. <b>2013</b> , 7, 580-588		20
95	Transformation of optical properties of crystal media (KGW, YVO4) exposed to quasi-continuous laser radiation in the range of the transmission band of the medium. <b>2013</b> , 115, 325-334		4
94	Intrinsic Optical Properties of Diamond. <b>2013</b> , 1-34		18
93	Diamond Raman Laser Design and Performance. <b>2013</b> , 239-276		24
92	Multidimensional attosecond resonant X-ray spectroscopy of molecules: lessons from the optical regime. <b>2013</b> , 64, 101-27		134
91	Raman lasers. <b>2013</b> , 493-524		3
90	Theoretical and experimental research on the polarization-coupled-input Raman oscillator. <i>Applied Optics</i> , <b>2013</b> , 52, 1963-7	1.7	1

89	Quantum random bit generation using energy fluctuations in stimulated Raman scattering. <i>Optics Express</i> , <b>2013</b> , 21, 29350-7	3:3	18
88	. <i>IEEE Journal of Quantum Electronics</i> , <b>2013</b> , 49, 218-223	2	39
87	Spectral dispersion of ultrafast optical limiting in Coumarin-120 by white-light continuum Z-scan. <b>2013</b> , 102, 203302		18
86	High average power stimulated Raman scattering in crystals: Comparison of KGW and diamond. <b>2014</b> ,		
85	Experimental analysis of emission linewidth narrowing in a pulsed KGd(WO <sub>4</sub> ) Raman laser. <i>Optics Express</i> , <b>2014</b> , 22, 21767-74	3:3	9
84	Spectral broadening in continuous-wave intracavity Raman lasers. <i>Optics Express</i> , <b>2014</b> , 22, 7492-502	3:3	36
83	Semiclassical theory of transient intracavity stimulated Raman scattering in compact lasers. <b>2014</b> , 47, 105402		
82	Disorder as a Playground for the Coexistence of Optical Nonlinear Effects: Competition between Random Lasing and Stimulated Raman Scattering in Complex Porous Materials. <b>2014</b> , 1, 1206-1211		20
81	Competition and Coexistence of Raman and Random Lasing in Silica-/Titania-Based Solid Foams. <b>2015</b> , 3, 1640-1651		17
80	Efficient Raman frequency conversion of high-power fiber lasers in diamond. <b>2015</b> , 9, 405-411		55
79	Extracting the phase information from atomic memory by intensity correlation measurement. <i>Optics Express</i> , <b>2015</b> , 23, 10009-17	3:3	
78	Modelling and optimization of continuous-wave external cavity Raman lasers. <i>Optics Express</i> , <b>2015</b> , 23, 8590-602	3:3	24
77	SRS in the strong-focusing regime for Raman amplifiers. <i>Optics Express</i> , <b>2015</b> , 23, 15012-20	3:3	7
76	Nonclassical correlations between terahertz-bandwidth photons mediated by rotational quanta in hydrogen molecules. <i>Optics Letters</i> , <b>2015</b> , 40, 922-5	3	8
75	Steady-state Raman gain coefficients of potassium-gadolinium tungstate at the wavelength of 532nm. <b>2015</b> , 50, 92-98		3
74	Exploiting Vibrational Strong Coupling to Make an Optical Parametric Oscillator Out of a Raman Laser. <b>2016</b> , 117, 277401		14
73	Growth and spectroscopic properties of Ca <sub>9</sub> Nd(VO <sub>4</sub> ) <sub>7</sub> single crystal. <b>2016</b> , 60, 387-393		7
72	Broadband stimulated Raman microscopy with 0.1 ms pixel acquisition time. <i>Optics Letters</i> , <b>2016</b> , 41, 3021-4	3	18

71	Higher-order stimulated Raman scattering in an aqueous solution of magnesium sulfate pumped by 532 nm laser pulses. <b>2016</b> , 9, 112401		7
70	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> , <b>2016</b> , 33, B56	1.7	14
69	Spectral effects of stimulated Raman scattering in crystals. <i>Progress in Quantum Electronics</i> , <b>2017</b> , 51, 1-45	9.1	29
68	Quantum random number generators. <i>Reviews of Modern Physics</i> , <b>2017</b> , 89,	40.5	233
67	Gain and index guiding in a Raman generator with diffraction-free pump beams. <i>Journal of Optics (United Kingdom)</i> , <b>2017</b> , 19, 015503	1.7	
66	Selective Suppression of Stimulated Raman Scattering with Another Competing Stimulated Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 6118-6123	6.4	30
65	High-power continuous-wave Raman frequency conversion from 1.06 $\mu\text{m}$ to 1.49 $\mu\text{m}$ in diamond. <i>Optics Express</i> , <b>2017</b> , 25, 749-757	3.3	28
64	Sub-100 ps Monolithic Diamond Raman Laser Emitting at 573 nm. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 981-984	2.2	6
63	Visible Raman-Shifted Fiber Lasers for Biophotonic Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2018</b> , 24, 1-8	3.8	21
62	Three-beam double stimulated Raman scatterings. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 014201	3.9	9
61	High Power Diamond Raman Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2018</b> , 24, 1-14	3.8	33
60	Three-beam double stimulated Raman scatterings: Cascading configuration. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 114201	3.9	7
59	Energy Scaling, Second Stokes Oscillation, and Raman Gain-Guiding in Monolithic Diamond Raman Lasers. <i>IEEE Journal of Quantum Electronics</i> , <b>2018</b> , 54, 1-8	2	1
58	Selective suppression of CARS signal with two competing stimulated Raman scattering processes. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 234202	3.9	5
57	Selective suppression of CARS signal with three-beam competing stimulated Raman scattering processes. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 17156-17170	3.6	12
56	Highly efficient picosecond all-solid-state Raman laser at 1179 and 1227 nm on single and combined Raman lines in a BaWO crystal. <i>Optics Letters</i> , <b>2018</b> , 43, 2527-2530	3	22
55	Laser-induced damage of fused silica optics at 355 nm due to backward stimulated Brillouin scattering: experimental and theoretical results. <i>Optics Express</i> , <b>2018</b> , 26, 11744-11755	3.3	8
54	Stimulated Raman Scattering in Alkali-Earth Tungstate and Molybdate Crystals at Both Stretching and Bending Raman Modes under Synchronous Picosecond Pumping with Multiple Pulse Shortening Down to 1 ps. <i>Crystals</i> , <b>2019</b> , 9, 167	2.3	10

53	Connection between vibrational instabilities of molecules in surface-enhanced Raman spectroscopy and Raman lasing. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	4
52	Spectral Narrowing Accompanies Enhanced Spatial Resolution in Saturated Coherent Anti-Stokes Raman Scattering (CARS): Comparisons of Experiment and Theory. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 4305-4313	2.8	2
51	Stimulated Raman Scattering and Stimulated Rayleigh-Wing Scattering. <b>2020</b> , 459-493		0
50	Cascade Brillouin scattering as a mechanism for photoluminescence from rough surfaces of noble metals. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
49	Absorptive laser threshold magnetometry: combining visible diamond Raman lasers and nitrogen-vacancy centres. <i>Materials for Quantum Technology</i> , <b>2021</b> , 1, 025003		1
48	Deep- to near-ultraviolet Raman frequency conversion pumped by femtosecond pulses in a hollow-core waveguide. <i>Applied Optics</i> , <b>2021</b> , 60, 6962-6970	1.7	
47	Modulated Noncollinear Optical Parametric Amplifier Output Induced by Stimulated Raman Scattering. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7578	2.6	
46	Pulse compression and spectral broadening of stimulated Raman scattering in water via cascading amplification. <i>Optics Communications</i> , <b>2021</b> , 501, 127393	2	1
45	80-fs Soliton-like Pulses from an Optical Nonlinear Fiber Resonator. <i>Springer Series in Chemical Physics</i> , <b>1986</b> , 54-57	0.3	5
44	CARS with Femtosecond Time Resolution Using Broadband Dye Lasers. <i>Springer Proceedings in Physics</i> , <b>1994</b> , 50-51	0.2	1
43	Optical Nonlinearities with Ultrashort Pulses. <i>Topics in Applied Physics</i> , <b>1988</b> , 35-112	0.5	3
42	Ultrafast Coherent Spectroscopy. <i>Topics in Applied Physics</i> , <b>1988</b> , 235-277	0.5	9
41	Ultrashort Intramolecular and Intermolecular Vibrational Energy Transfer of Polyatomic Molecules in Liquids. <i>Topics in Applied Physics</i> , <b>1988</b> , 279-317	0.5	22
40	Tunable Coherent Sources for Vacuum Ultraviolet Spectroscopy. <b>1988</b> , 63-88		2
39	Raman Investigations of Polyatomic Molecules in the Liquid State Using Picosecond Light Pulses. <b>1982</b> , 227-237		2
38	General Introduction to Non-Linear Raman Spectroscopy. <b>1982</b> , 83-97		1
37	Stimulated Raman Scattering. <b>1982</b> , 183-209		9
36	Ultrafast Relaxation of Optical Phonons Investigated with Picosecond Pulses. <b>1984</b> , 275-304		4

35	Stimulated Raman Scattering and Stimulated Rayleigh-Wing Scattering. <b>1992</b> , 365-397		3
34	QUANTUM STATISTICS IN NONLINEAR OPTICS. <b>1992</b> , 187-234		1
33	Supercontinuum generation by stimulated Raman-Kerr scattering in a liquid-core optical fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, 1677	1.7	16
32	Modeling of intracavity-pumped Q-switched terahertz parametric oscillators based on stimulated polariton scattering. <i>Optics Express</i> , <b>2020</b> , 28, 6966-6980	3.3	2
31	Efficient all-solid-state passively Q-switched SWIR Tm:YAP/KGW Raman laser. <i>Optics Letters</i> , <b>2020</b> , 45, 5409-5412	3	3
30	Vibrational Dephasing in Liquids. <b>2001</b> ,		
29	SCATTERING   Stimulated Scattering. <b>2005</b> , 330-340		
28	Pulse compression dynamics in synchronously pumped continuous wave mode-locked Raman oscillators. <b>2010</b> ,		
27	Picosecond visible Raman lasers. <b>2010</b> ,		
26	Stimulierte Raman-Streuung. <b>2014</b> , 205-282		
25	Ultrafast Coherent Infrared and Raman Spectroscopy of Gases and Liquids. <b>1984</b> , 173-184		
24	Laser-Induced Dynamic Gratings and Four Wave Mixing-Material Investigations and Coherent Light Amplification. <b>1987</b> , 451-466		0
23	Hydrogen CARS Spectra Influenced by High Laser Intensities. <i>Springer Proceedings in Physics</i> , <b>1992</b> , 12-250.2		
22	Stimulated Raman Scattering of Picosecond Pulses in Ba(NO <sub>3</sub> ) <sub>2</sub> Crystals. <b>1993</b> ,		
21	Dynamic Processes. <b>2017</b> , 1-56		
20	Dynamic Processes. <b>2018</b> , 1207-1260		
19	Enhanced stimulated Raman scattering by suppressing stimulated Brillouin scattering in liquid water. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2019</b> , 68, 044201	0.6	1
18	Dynamic Processes. <b>2020</b> , 1-55		

- 17 Raman spectroscopy with ultrashort coherent excitation. Narrowing of spectral lines beyond the dephasing linewidth. **1983**, 152-163
- 16 Numerical analysis of synchronously pumped solid-state Raman lasers. *Optics Express*, **2020**, 28, 35251-35263 1
- 15 Dynamics of ultrafast phase transitions in MgF triggered by laser-induced THz coherent phonons.. *Scientific Reports*, **2022**, 12, 6621 4.9 1
- 14 Observation and analysis of stimulated Raman scattering derived from saturated aqueous solutions of inorganic salts. *Journal of Applied Physics*, **2022**, 131, 183101 2.5 1
- 13 Coherent Raman Comb Generation in H2O2 Aqueous Solutions by Crossing-pump Stimulated Raman Scattering. *Optics Letters*, 3 1
- 12 Numerical simulation on picosecond synchronously pumped solid-state Raman laser based on KGW crystal. *Applied Physics B: Lasers and Optics*, **2022**, 128, 1.9 0
- 11 Dynamic Processes. **2022**, 1-56
- 10 Reactive graphene by one-pot grafting toward tough and fire-retardant thermoset nanocomposites. **2022**, 34, 102311 0
- 9 Picosecond synchronously pumped diamond Raman laser. 0
- 8 Picosecond synchronously pumped diamond Raman laser. **2022**, 128, 0
- 7 Split-step methods for numerical modeling of synchronously pumped crystalline Raman laser. **2022**, 0
- 6 Dynamic Processes. **2023**, 1325-1380 0
- 5 Raman Wavelength Conversion in Ionic Liquids. **2023**, 19, 0
- 4 Stimulated Raman scattering in optical fibers: spontaneous initiation and spatial propagation. **1991**, 0
- 3 Effect of Raman gain reduction in picosecond crystalline Raman laser under synchronous pumping. **2022**, 0
- 2 Four-dimensional multi-level stimulated rotational Raman scattering dynamics in air. **2023**, 0
- 1 Discriminating Congested Vibrational Peaks of Condensed Organic Materials with Time- and Frequency-Resolved Coherent Anti-Stokes Raman Scattering Spectroscopy. 0