Guenter Huber

List of Publications by Citations

237 papers	10,148 citations	61 h-index	87 g-index
255 ext. papers	11,853 ext. citations	2.7 avg, IF	5.8 L-index

#	Paper	IF	Citations
237	Spectroscopic characterization and laser performance of diode-laser-pumped Nd: GdVO4. *Applied Physics B: Lasers and Optics*, **1994**, 58, 373-379	1.9	288
236	. *IEEE Journal of Quantum Electronics*, **1988**, 24, 924-933	2	264
235	Pulsed laser operation of Y b-dope d KY(WO(4))(2) and KGd(WO(4))(2). *Optics Letters*, **1997**, 22, 1317-9	3	228
234	CW laser performance of Yb and Er,Yb doped tungstates. *Applied Physics B: Lasers and Optics*, **1997**, 64, 409-413	1.9	193
233	All-solid-state continuous-wave frequency-doubled Nd:YAG-BiBO laser with 2.8-W output power at 473 nm. *Optics Letters*, **2003**, 28, 432-4	3	187
232	Single mode Tm and Tm,Ho:LuAG lasers for LIDAR applications. *Laser Physics Letters*, **2004**, 1, 285-290	1.5	174
231	Infrared excited-state absorption and stimulated-emission cross sections of Er3+-doped crystals. *Applied Physics B: Lasers and Optics*, **1995**, 61, 151-158	1.9	150
230	Out of the blue: semiconductor laser pumped visible rare-earth doped lasers. *Laser and Photonics Reviews*, **2016**, 10, 548-568	8.3	143
229	High-power continuous-wave upconversion fiber laser at room temperature. *Optics Letters*, **1997**, 22, 808-10	3	134
228	Femtosecond thin-disk laser with 141 W of average power. *Optics Letters*, **2010**, 35, 2302-4	3	129
227	Femtosecond laser written stress-induced Nd:Y3Al5O12 (Nd:YAG) channel waveguide laser. *Applied Physics B: Lasers and Optics*, **2009**, 97, 251-255	1.9	121
226	Highly efficient Yb:YAG channel waveguide laser written with a femtosecond-laser. *Optics Express*, **2010**, 18, 16035-41	3.3	120
225	High-power ultrafast thin disk laser oscillators and their potential for sub-100-femtosecond pulse generation. *Applied Physics B: Lasers and Optics*, **2009**, 97, 281-295	1.9	119
224	Diode pumping of a continuous-wave Pr3+-doped LiYF4 laser. *Optics Letters*, **2004**, 29, 2638-40	3	119
223	New Oxide Crystals for Solid State Lasers. *Crystal Research and Technology*, **1999**, 34, 255-260	1.3	118
222	Green upconversion continuous wave Er3+:LiYF4 laser at room temperature. *Applied Physics Letters*, **1994**, 65, 383-384	3.4	117
221	Broadly tunable high-power Yb:Lu(2)O(3) thin disk laser with 80% slope efficiency. *Optics Express*, **2007**, 15, 7075-82	3.3	114

220	Spectroscopic properties and diode pumped 1.6 μm laser performance in Yb-codoped Er: Y3Al5O12 and Er: Y2SiO5. *Optics Communications*, **1995**, 118, 557-561	2	114
219	Structural, spectroscopic, and tunable laser properties of Yb3+-doped NaGd(WO4)2. *Physical Review B*, **2006**, 74,	3.3	110
218	Thermal and laser properties of Yb:LuAG for kW thin disk lasers. *Optics Express*, **2010**, 18, 20712-22	3.3	109
217	Power scaling of semiconductor laser pumped Praseodymium-lasers. *Optics Express*, **2007**, 15, 5172-8	3.3	107
216	Rare-earth-doped sesquioxides. *Journal of Luminescence*, **2000**, 87-89, 973-975	3.8	104
215	Watt-level passively Q-switched Er:Lu□□ laser at 2.84 μm using MoS□ *Optics Letters*, **2016**, 41, 540-3	3	103
214	Continuous wave laser operation of Yb3+:YVO4. *Applied Physics B: Lasers and Optics*, **2004**, 79, 543-546	1.9	100
213	Spectroscopy and green upconversion laser emission of Er3+-doped crystals at room temperature. *Journal of Applied Physics*, **1994**, 76, 1413-1422	2.5	100
212	Efficient Continuous Wave-laser emission of Pr3+-doped fluorides at room temperature. *Applied Physics B: Lasers and Optics*, **1994**, 58, 149-151	1.9	99
211	Near-infrared emission of Cr4+-doped garnets: Lifetimes, quantum efficiencies, and emission cross sections. *Physical Review B*, **1995**, 51, 17323-17331	3.3	97
210	High-power red, orange, and green Pr□+:LiYF□ lasers. *Optics Letters*, **2014**, 39, 3193-6	3	96
209	Investigation of diode-pumped 2.8-microm Er:LiYF(4) lasers with various doping levels. *Optics Letters*, **1996**, 21, 585-7	3	93
208	Efficient high-power continuous wave Er:Lu2O3 laser at 2.85 μm. *Optics Letters*, **2012**, 37, 2568-70	3	92
207	Efficient visible laser emission of GaN laser diode pumped Pr-doped fluoride scheelite crystals. *Optics Express*, **2008**, 16, 15932-41	3.3	91
206	Study of luminescence concentration quenching and energy transfer upconversion in Nd-doped LaSc_3(BO_3)_4 and GdVO_4 laser crystals. *Journal of the Optical Society of America B: Optical Physics*, **1998**, 15, 1052	1.7	90
205	. *IEEE Journal of Quantum Electronics*, **1988**, 24, 920-923	2	89
204	Spectroscopic properties and efficient diode-pumped laser operation of neodymium-doped lanthanum scandium borate. *IEEE Journal of Quantum Electronics*, **1994**, 30, 913-917	2	88
203	Growth of high-melting sesquioxides by the heat exchanger method. *Journal of Crystal Growth*, **2002**, 237-239, 879-883	1.6	86

202	Semiconductor-laser-pumped high-power upconversion laser. *Applied Physics Letters*, **2006**, 88, 061108	3.4	80
201	Thermal analysis and efficient high power continuous-wave and mode-locked thin disk laser operation of Yb-doped sesquioxides. *Applied Physics B: Lasers and Optics*, **2011**, 102, 509-514	1.9	79
200	Rare-earth doped chalcogenide glass laser. *Electronics Letters*, **1996**, 32, 666	1.1	79
199	Crystal growth by the heat exchanger method, spectroscopic characterization and laser operation of high-purity Yb:Lu2O3. *Journal of Crystal Growth*, **2008**, 310, 1934-1938	1.6	79
198	Generation of 740 mW of blue light by intracavity frequency doubling with a first-order quasi-phase-matched KTiOPO(4) crystal. *Optics Letters*, **1999**, 24, 205-7	3	79
197	Czochralski growth and laser parameters of RE3+-doped Y2O3 and Sc2O3. *Ceramics International*, **2000**, 26, 589-592	5.1	78
196	Nd:YAG waveguide laser with 1.3 W output power, fabricated by direct femtosecond laser writing. *Applied Physics B: Lasers and Optics*, **2010**, 100, 131-135	1.9	76
195	Green up-conversion laser emission in Er-doped crystals at room temperature. *Applied Physics Letters*, **1993**, 63, 2030-2031	3.4	76
194	Visible laser emission of solid state pumped LiLuF(4):Pr(3+). *Optics Express*, **2007**, 15, 992-1002	3.3	75
193	Advances in up-conversion lasers based on Er3+ and Pr3+. *Optical Materials*, **2004**, 26, 365-374	3.3	75
192	Infrared and self-frequency doubled laser action in Yb3+-doped LiNbO3:MgO. *Applied Physics Letters*, **1999**, 74, 3113-3115	3.4	73
191	Efficient laser performance of Nd:YAG at 946 nm and intracavity frequency doubling with LiJO3, □-BaB2O4, and LiB3O5. *Applied Physics B: Lasers and Optics*, **1997**, 65, 789-792	1.9	72
190	Excited state absorption and stimulated emission of Nd3+ in crystals. Part 2: YVO4, GdVO4, and Sr5(PO4)3F. *Applied Physics B: Lasers and Optics*, **1998**, 67, 549-553	1.9	71
189	. *IEEE Journal of Quantum Electronics*, **1993**, 29, 2508-2512	2	71
188	Passively Q-switched 180-ps Nd:LaSc(3)(BO(3))(4) microchip laser. *Optics Letters*, **1996**, 21, 405-7	3	69
187	Continuous-wave simultaneous dual-wavelength operation at 912 nm and 1063 nm in Nd:GdVO4. *Applied Physics B: Lasers and Optics*, **2006**, 86, 65-70	1.9	67
186	Optical properties of Nd^3+- and Tb^3+-doped KPb_2Br_5 and RbPb_2Br_5 with low nonradiative decay. *Journal of the Optical Society of America B: Optical Physics*, **2004**, 21, 2117	1.7	66
185	Solid-state lasers: status and future [Invited]. *Journal of the Optical Society of America B: Optical Physics*, **2010**, 27, B93	1.7	65

184	All-solid-state continuous-wave doubly resonant all-intracavity sum-frequency mixer. *Optics Letters*, **1997**, 22, 1461-3	3	65
183	Spectroscopy and excited-state absorption of Ni2+-doped MgAl2O4. *Journal of Luminescence*, **1997**, 71, 265-268	3.8	65
182	Continuous wave 1.6 Eh laser action in Er doped garnets at room temperature?. *Applied Physics B, Photophysics and Laser Chemistry*, **1989**, 49, 269-273		64
181	175 fs Tm:Lu2O3 laser at 2.07 µm mode-locked using single-walled carbon nanotubes. *Optics Express*, **2012**, 20, 5313-8	3.3	63
180	Yellow laser performance of Dy□+ in co-doped Dy,Tb:LiLuF□*Optics Letters*, **2014**, 39, 6628-31	3	62
179	Stimulated emission and laser action of Pr3+-doped YA1O3. *Applied Physics B: Lasers and Optics*, **1994**, 58, 413-420	1.9	62
178	Efficient diode-pumped laser operation of Tm:Lu2O3 around 2 Eh. *Optics Letters*, **2011**, 36, 948-50	3	61
177	Efficient continuous wave laser operation of Tb3+-doped fluoride crystals in the green and yellow spectral regions. *Laser and Photonics Reviews*, **2016**, 10, 335-344	8.3	61
176	Continuous wave infrared laser action, self-frequency doubling, and tunability of Yb3+:MgO:LiNbO3. *Journal of Applied Physics*, **2000**, 87, 4056-4062	2.5	57
175	Green Er(3+):YLiF(4) upconversion laser at 551nm with Yb(3+) codoping: a novel pumping scheme. *Optics Letters*, **1997**, 22, 1412-4	3	53
174	Spectroscopic properties and laser emission of Er3+ in scandium silicates near 1.5 Eh. *Optical Materials*, **1998**, 10, 9-17	3.3	52
173	Electronic and vibronic transitions of the Cr4+-doped garnets Lu3Al5O12, Y3Al5O12, Y3Ga5O12 and Gd3Ga5O12. *Journal of Luminescence*, **1996**, 68, 1-14	3.8	52
172	Tunable room-temperature laser action of Cr4+-doped Y3ScxAl5□O12. *Applied Physics B: Lasers and Optics*, **1994**, 58, 153-156	1.9	52
171	Continuous-wave and modelocked Yb:YCOB thin disk laser: first demonstration and future prospects. *Optics Express*, **2010**, 18, 19201-8	3.3	51
170	Continuous-wave ultraviolet generation at 320 nm by intracavity frequency doubling of red-emitting Praseodymium lasers. *Optics Express*, **2006**, 14, 3282-7	3.3	49
169	Characterization of an Yb:YAG ceramic waveguide laser, fabricated by the direct femtosecond-laser writing technique. *Applied Physics B: Lasers and Optics*, **2011**, 103, 1-4	1.9	48
168	Passive Q-switching of 1.44 Eh and 1.34 Eh diode-pumped Nd:YAG lasers with a V:YAG saturable absorber. *Applied Physics B: Lasers and Optics*, **2003**, 76, 245-247	1.9	48
167	Crystal growth, spectroscopy, and diode pumped laser performance of Pr, Mg:SrAl12O19. *Applied Physics B: Lasers and Optics*, **2011**, 102, 731-735	1.9	47

166	Efficient femtosecond high power Yb:Lu(2)O(3) thin disk laser. *Optics Express*, **2007**, 15, 16966-71	3.3	47
165	Room-temperature green laser emission of Er:LiYF4. *Applied Physics Letters*, **1993**, 63, 729-730	3.4	47
164	Quasi-continuous wave laser operation of Cr4+-doped Y2SiO5 at room temperature. *Optics Communications*, **1993**, 101, 195-198	2	46
163	Curved Yb:YAG waveguide lasers, fabricated by femtosecond laser inscription. *Optics Express*, **2013**, 21, 25501-8	3.3	44
162	Diode pumped laser operation and spectroscopy of Pr3+:LaF3. *Optics Express*, **2012**, 20, 20387-95	3.3	44
161	Diode-pumped continuous-wave, quasi-continuous-wave, and Q-switched laser operation of Yb3+,Tm3+: YLiF4 at 1.5 and 2.3 Ìm. *Journal of Applied Physics*, **1998**, 84, 5900-5904	2.5	44
160	High quantum efficiency YbAG-crystals. *Journal of Luminescence*, **2007**, 125, 238-247	3.8	43
159	Sub-100 femtosecond pulses from a SESAM modelocked thin disk laser. *Applied Physics B: Lasers and Optics*, **2012**, 106, 559-562	1.9	42
158	Fluorescence dynamics, excited-state absorption, and stimulated emission of Er^3+ in KY(WO_4)_2. *Journal of the Optical Society of America B: Optical Physics*, **1998**, 15, 1205	1.7	42
157	Investigation of diode-pumped 2.8-microm laser performance in Er:BaY(2)F(8). *Optics Letters*, **1996**, 21, 48-50	3	42
156	Crystal growth, spectroscopy, and highly efficient laser operation of thulium-doped Lu2O3 around 2 Ìm. *Applied Physics B: Lasers and Optics*, **2011**, 102, 19-24	1.9	41
155	Diode-pumped mode-locked Yb:LuScO(3) single crystal laser with 74 fs pulse duration. *Optics Letters*, **2010**, 35, 511-3	3	41
154	High-power diode-pumped continuous-wave Nd(3+) lasers at wavelengths near 1.44 microm. *Optics Letters*, **1997**, 22, 466-8	3	41
153	SESAM mode-locked red praseodymium laser. *Optics Letters*, **2014**, 39, 6939-41	3	40
152	SESAMs for high-power femtosecond modelocking: power scaling of an Yb:LuScO□thin disk laser to 23 W and 235 fs. *Optics Express*, **2011**, 19, 20288-300	3.3	39
151	1.9- m and 2.0- m laser diode pumping of Cr(2+) :ZnSe and Cr(2+) :CdMnTe. *Optics Letters*, **2002**, 27, 1034-36	3	39
150	Time-resolved spectra of excited-state absorption in Er3+ doped YAlO3. *Applied Physics A: Solids and Surfaces*, **1992**, 54, 404-410		39
149	Spectroscopic characterization of V4+ -doped Al2O3 and YAlO3. *Journal of Luminescence*, **1993**, 55, 55-62	3.8	39

148	Femtosecond Yb:Lu(2)O(3) thin disk laser with 63 W of average power. *Optics Letters*, **2009**, 34, 2823-5	3	38
147	Spectroscopic properties of Er3+:YAG at 300–150 K and their effects on the 1.6 μm laser transitions. *Applied Physics B: Lasers and Optics*, **2008**, 91, 249-256	1.9	38
146	Intracavity frequency doubling of a continuous-wave, diode-laser-pumped neodymium lanthanum scandium borate laser. *Optics Letters*, **1994**, 19, 1436-8	3	37
145	227-fs pulses from a mode-locked Yb:LuScO3 thin disk laser. *Optics Express*, **2009**, 17, 10725-30	3.3	36
144	Up-conversion processes in laser crystals. *Journal of Luminescence*, **1997**, 72-74, 1-3	3.8	36
143	Diode pumped Nd:GSAG and Nd:YGG laser at 942 and 935 nm. *Optics Communications*, **2007**, 275, 170-172	2	36
142	In-band pumping of Nd-vanadate thin-disk lasers. *Applied Physics B: Lasers and Optics*, **2008**, 91, 415-419	1.9	36
141	Laser activity at 1.18, 1.07, and 0.97 microm in the low-phonon-energy hosts KPb2Br5 and RbPb2Br5 doped with Nd3+. *Optics Letters*, **2005**, 30, 729-31	3	36
140	Yb-doped mixed sesquioxides for ultrashort pulse generation in the thin disk laser setup. *Applied Physics B: Lasers and Optics*, **2013**, 113, 13-18	1.9	35
139	Performance and wavelength tuning of green emitting terbium lasers. *Optics Express*, **2017**, 25, 5716-5724	3.3	34
138	Passively mode locked femtosecond Tm:Sc2O3 laser at 2.1 μm. *Optics Letters*, **2012**, 37, 437-9	3	34
137	High resolution spectroscopy of Cr 4+ doped Y 3 Al 5 O 12. *Journal of Luminescence*, **1994**, 60-61, 192-196	3.8	34
136	Diode pumped high power operation of a femtosecond laser inscribed Yb:YAG waveguide laser [Invited]. *Optical Materials Express*, **2011**, 1, 428	2.6	33
135	Efficient continuous wave deep ultraviolet Pr3+:LiYF4 laser at 261.3 nm. *Applied Physics Letters*, **2011**, 99, 181103	3.4	33
134	Continuous wave and mode-locked Yb3+:Y2O3 ceramic thin disk laser. *Optics Express*, **2012**, 20, 10847-52	3.3	33
133	Efficient upconversion-pumped continuous wave Er3+:LiLuF4 lasers. *Optical Materials*, **2015**, 42, 167-173	3.3	32
132	Efficient green continuous-wave lasing of blue-diode-pumped solid-state lasers based on praseodymium-doped LiYF4. *Applied Optics*, **2010**, 49, 3864-8	0.2	32
131	Spectroscopy, excited-state absorption and stimulated emission in Pr3+-doped Gd2SiO5 and Y2SiO5 crystals. *Journal of Luminescence*, **1997**, 71, 27-35	3.8	32

130	Lu2S3:Ce3+, A new red luminescing scintillator. *Nuclear Instruments & Methods in Physics Research B* , **1998**, 134, 304-309	1.2	32
129	Multipass pumped Nd-based thin-disk lasers: continuous-wave laser operation at 1.06 and 0.9 microm with intracavity frequency doubling. *Applied Optics*, **2007**, 46, 8256-63	1.7	32
128	Efficient laser operation of Pr3+, Mg2+:SrAl12O19. *Optics Letters*, **2012**, 37, 4889-91	3	31
127	Passive Q Switching of a Diode-Pumped 946-nm Nd:YAG Laser with 1.6-W Average Output Power. *Applied Optics*, **1998**, 37, 7076-9	1.7	31
126	Er3+:YLiF4 continuous wave cascade laser operation at 1620 and 2810 nm at room temperature. *Applied Physics Letters*, **1993**, 62, 541-543	3.4	31
125	Spectroscopy and laser operation of Sm(3+)-doped lithium lutetium tetrafluoride (LiLuF(4)) and strontium hexaaluminate (SrAl(12)O(19)). *Optics Express*, **2015**, 23, 21118-27	3.3	30
124	Crystalline Pr:SrAl12O19 waveguide laser in the visible spectral region. *Optics Letters*, **2011**, 36, 4620-2	3	30
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122	Intracavity frequency-doubled diode-pumped Nd : LaSc3(BO3)4 lasers. *Applied Physics B: Lasers and Optics*, **1997**, 64, 301-305	1.9	30
121	Spectroscopy of Ni2+-doped garnets and perovskites for solid state lasers. *Journal of Luminescence*, **1991**, 48-49, 564-568	3.8	30
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119	Photoconductivity in Yb-doped oxides at high excitation densities. *Applied Physics B: Lasers and Optics*, **2011**, 102, 765-768	1.9	29
118	Amplification in epitaxially grown Er:(Gd,Lu)_2O_3 waveguides for active integrated optical devices. *Journal of the Optical Society of America B: Optical Physics*, **2008**, 25, 1850	1.7	29
117	In-band fiber-laser-pumped Er:YVO laser emitting around 1.6 m. *Optics Letters*, **2011**, 36, 1188-90	3	28
116	Excited state absorption and stimulated emission of Nd3+ in crystals III: LaSc3(BO3)4, CaWO4, and YLiF4. *Applied Physics B: Lasers and Optics*, **1999**, 68, 67-72	1.9	28
115	Type-I non-critically phase-matched second-harmonic generation in Gd1-xYxCa4O(BO3)3. *Applied Physics B: Lasers and Optics*, **1999**, 68, 1143-1146	1.9	28
114	Tm3+: GdVO4 a new efficient medium for diode-pumped 2 m lasers. *Quantum Electronics*, **1997**, 27, 13-14	1.8	27
113	Holmium-doped Lu2O3, Y2O3, and Sc2O3 for lasers above 2.1 m. *Optics Express*, **2013**, 21, 3926-31	3.3	26

112	Self-referenceable frequency comb from an ultrafast thin disk laser. *Optics Express*, **2012**, 20, 9650-6	3.3	26
111	Lasing characteristics of a diode-pumped Nd3+: CaGdAlO4crystal. *Quantum Electronics*, **1997**, 27, 15-17	1.8	26
110	Efficient laser operation of diode-pumped Pr3+,Mg2+:SrAl12O19. *Applied Physics B: Lasers and Optics*, **2014**, 116, 109-113	1.9	25
109	Diode-pumped continuous-wave green upconversion lasing of Er(3+):LiLuF(4) using multipass pumping. *Optics Letters*, **2002**, 27, 1699-701	3	25
108	Spectroscopic characterisation of the upconversion avalanche mechanism in Pr3+,Yb3+:BaY2F8. *Optical Materials*, **2003**, 24, 537-545	3.3	24
107	Excited state properties of ferrate (VI) doped crystals of K2SO4 and K2CrO4. *Journal of Luminescence*, **1995**, 65, 293-301	3.8	24
106	Spectroscopic properties and lasing of Nd:Gd0.5La0.5VO4 crystals. *Optics Communications*, **1996**, 124, 63-68	2	24
105	Spectroscopy of upper energy levels in an Er^3+-doped amorphous oxide. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 663	1.7	23
104	Excited state absorption and stimulated emission of Nd3+ in crystals. Part I: Y3Al5O12, YAlO3, and Y2O3. *Applied Physics B: Lasers and Optics*, **1998**, 67, 151-156	1.9	23
103	Emission of octahedrally coordinated Mn3+ in garnets. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **1998**, 54, 1741-1749	4.4	23
102	Semiconductor laser pumping of continuous-wave Pr3+[hyphen (true graphic)]doped ZBLAN fibre laser. *Electronics Letters*, **2005**, 41, 794	1.1	23
101	A 180 mW Nd:LaSc3(BO3)4 single-frequency TEM00 microchip laser pumped by an injection-locked diode-laser array. *Applied Physics B: Lasers and Optics*, **1994**, 58, 381-388	1.9	23
100	30 Hz operation of 2□Ho and Tm-lasers. *Optics Communications*, **1990**, 80, 47-51	2	22
99	Q-switched operation of a femtosecond-laser-inscribed Yb:YAG channel waveguide laser using carbon nanotubes. *Optics Express*, **2015**, 23, 7999-8005	3.3	21
98	Continuous-wave Pr□+:BaY□□and Pr□+:LiYF□lasers in the cyan-blue spectral region. *Optics Letters*, **2014**, 39, 5158-61	3	21
97	Spectroscopic characterization and laser performance of Pr,Mg:CaAl_12O_19. *Journal of the Optical Society of America B: Optical Physics*, **2014**, 31, 349	1.7	21
96	Laser-written waveguides in KTP for broadband Type II second harmonic generation. *Optics Express*, **2012**, 20, 22308-13	3.3	21
95	Continuous-wave high power laser operation and tunability of Yb:LaSc3(BO3)4 in thin disk configuration. *Applied Physics B: Lasers and Optics*, **2007**, 87, 217-220	1.9	21

94	Excited state absorption, energy levels, and thermal conductivity of Er3+:YAB. *Applied Physics B: Lasers and Optics*, **2008**, 92, 567-571	1.9	21
93	Optical spectroscopy of Cr3+ in ScF3 and Sc2O3. *Journal of Luminescence*, **1988**, 39, 259-268	3.8	21
92	Ultrashort pulse generation from diode pumped mode-locked Yb3+:sesquioxide single crystal lasers. *Optics Express*, **2011**, 19, 2904-9	3.3	20
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90	Switching of emissivity and photoconductivity in highly doped Yb3+:Y2O3 and Lu2O3 ceramics. *Applied Physics Letters*, **2007**, 90, 201901	3.4	20
89	Continuous wave Praseodymium solid-state lasers **2007**,		20
88	Continuous-wave laser action of Yb3+-doped lanthanum scandium borate. *Applied Physics B: Lasers and Optics*, **2005**, 80, 159-163	1.9	20
87	Optical Measurement of Narrow Band Rare-Earth 4f Levels with Energies Greater than the Band Gap of the Host. *Physical Review Letters*, **1998**, 80, 1537-1540	7.4	20
86	Laser oscillation in Yb:YAG waveguide beam-splitters with variable splitting ratio. *Optics Letters*, **2015**, 40, 1753-6	3	19
85	Excited-state absorption and stimulated emission measurements in Cr4+:forsterite. *Journal of Luminescence*, **1997**, 75, 319-325	3.8	19
84	Ultrashort pulse Yb:LaSc(3)(BO(3))(4) mode-locked oscillator. *Optics Express*, **2007**, 15, 15539-44	3.3	19
83	Spectroscopic properties of Cr-doped Sc2O3. *Journal of Luminescence*, **2000**, 87-89, 1122-1125	3.8	19
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81	Efficient visible laser operation of Pr,Mg:SrAl12O19 channel waveguides. *Optics Letters*, **2013**, 38, 2698-701	3	18
80	Efficient green generation by intracavity frequency doubling of an optically pumped semiconductor disk laser. *Applied Physics B: Lasers and Optics*, **2007**, 87, 95-99	1.9	18
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78	Luminescence and time-resolved excited state absorption measurements in Pr3+ -doped La2Be2O5 and KGd (WO4)2 crystals. *Optical Materials*, **1996**, 5, 111-118	3.3	18
77	Polarized and time-resolved measurements of excited-state absorption and stimulated emission in Ti:YAlO3 and Ti:Al2O3. *Applied Physics A: Solids and Surfaces*, **1993**, 57, 309-313		18

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75	Passively Q-switched Pr:YLF laser with a Co:MgAlO saturable absorber. *Optics Letters*, **2017**, 42, 4687-4690		17
74	Europium-doped sesquioxide thin films grown on sapphire by PLD. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2003**, 105, 30-33	3.1	17
73	540 mW of blue output power at 425 nm generated by intracavity frequency doubling an upconversion-pumped Er3+:YLiF4 laser. *Applied Physics Letters*, **1998**, 73, 139-141	3.4	17
72	Excited state absorption and laser potential of Mn5+-doped Li3PO4. *Chemical Physics Letters*, **1997**, 265, 264-270	2.5	16
71	Pulsed laser deposition of Eu:Y2O3 thin films on (0001) Al2O3. *Applied Physics A: Materials Science and Processing*, **2005**, 80, 209-216	2.6	16
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