

# Richard Å vejkar

## List of Publications by Year in descending order

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37  
papers

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citations

1477746

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h-index

1125271

13  
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37  
docs citations

37  
times ranked

147  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Diode-pumped Er:CaF <sub>2</sub> ceramic 2.7 $\mu$ m tunable laser. Optics Letters, 2013, 38, 3406.  | 1.7 | 57        |
| 2  | Diode-pumped Er:SrF <sub>2</sub> laser tunable at 2.7 $\mu$ m. Optical Materials Express, 2018, 8, 1025.   | 1.6 | 28        |
| 3  | Er-doped crystalline active media for $\sim$ 3 $\mu$ m diode-pumped lasers. Progress in Quantum Electronics, 2020, 74, 100276.   | 3.5 | 25        |
| 4  | Line-tunable Er:GGAG laser. Optics Letters, 2018, 43, 3309.  | 1.7 | 15        |
| 5  | Infrared spectroscopic properties of low-phonon lanthanide-doped KLuS <sub>2</sub> crystals. Journal of Luminescence, 2019, 211, 100-107.                                    | 1.5 | 10        |
| 6  | Compact diode-pumped CW and Q-switched 2.8 $\mu$ m Er:YLF laser. Journal of the Optical Society of America B: Optical Physics, 2021, 38, B26.                                | 0.9 | 7         |
| 7  | Temperature influence on Er:YAlO <sub>3</sub> spectroscopy and diode-pumped laser properties. Laser Physics, 2018, 28, 105801.   | 0.6 | 5         |
| 8  | Phosphate content influence on structural, spectroscopic, and lasing properties of Er,Yb-doped potassium-lanthanum phosphate glasses. Optical Engineering, 2016, 55, 047102. | 0.5 | 4         |
| 9  | Er:Y <sub>2</sub> O <sub>3</sub> high-repetition rate picosecond 2.7 $\mu$ m laser. Laser Physics Letters, 2019, 16, 075802.   | 0.6 | 4         |
| 10 | Continuous-wave efficient cyan-blue Pr:YAlO <sub>3</sub> laser pumped by InGaN laser diode. Applied Physics B: Lasers and Optics, 2021, 127, 1.                              | 1.1 | 4         |
| 11 | Er:GGAG crystal temperature influence on spectroscopic and laser properties. Optical Materials Express, 2020, 10, 1249.  | 1.6 | 4         |
| 12 | 2.4 $\mu$ m diode-pumped Dy <sup>2+</sup> :CaF <sub>2</sub> laser. Laser Physics Letters, 2018, 15, 015803.  | 0.6 | 3         |
| 13 | Temperature influence on diode pumped Er:CaF <sub>2</sub> laser. Proceedings of SPIE, 2015, , .  | 0.8 | 2         |
| 14 | Er:YAG pumped compact Fe:ZnMnSe laser tunable in spectral range 3950 $\mu$ m – 4500 nm at 80 K. , 2018, , .  |     | 2         |
| 15 | Er:SrF <sub>2</sub> crystal for diode-pumped 2.7 $\mu$ m laser. , 2014, , .  |     | 2         |
| 16 | Tunability of Low-doped Tm:CaF <sub>2</sub> Crystal at Cryogenic Temperatures. , 2018, , .   |     | 2         |
| 17 | Er-doped ortho- and metha-phosphate glassy mixtures for 1.54 $\mu$ m laser construction. , 2014, , .   |     | 1         |
| 18 | Effect of cryogenic temperature on spectroscopic and laser properties of Er,La:SrF <sub>2</sub> -CaF <sub>2</sub> crystal. Proceedings of SPIE, 2016, , .                    | 0.8 | 1         |

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|----|---|-----|-----------|
| 19 | Temperature influence on spectroscopic and laser properties of Er:YLF crystal. , 2019, , .  |     | 1         |
| 20 | Tunable Diode-pumped Er:SrF <sub>2</sub> Laser at 2.7 $\mu\text{m}$ . , 2018, , .   |     | 1         |
| 21 | Temperature influence on spectroscopic properties and 2.7- $\mu\text{m}$ lasing of Er:YAP crystal. , 2018, , .                                  |     | 1         |
| 22 | Passively Q-switched Er,La:SrF <sub>2</sub> -CaF <sub>2</sub> laser at 2.74 $\mu\text{m}$ . , 2019, , .   |     | 1         |
| 23 | Effect of cryogenic temperature on spectroscopic and laser properties of Er, Yb-doped potassium-lanthanum phosphate glass. , 2017, , .          |     | 0         |
| 24 | Temperature influence on diode-pumped Dy <sup>2+</sup> :CaF <sub>2</sub> laser. , 2017, , .   |     | 0         |
| 25 | 567 ns Pulses from Passively Q-Switched Er:YLF Laser Generating at 2.81 $\mu\text{m}$ . , 2019, , .   |     | 0         |
| 26 | Passively Mode-Locked High-Repetition Rate Er:YLF Laser at 2.81 $\mu\text{m}$ Generating 72 ps Pulses. , 2019, , .                              |     | 0         |
| 27 | Diode-pumped laser and spectroscopic properties of Yb,Ho:GGAG at 2 $\mu\text{m}$ and 3 $\mu\text{m}$ . Laser Physics Letters, 2020, 17, 035801. | 0.6 | 0         |
| 28 | Er:YAP laser and gain-switching generation of 186 ns pulses at 2.92 $\mu\text{m}$ . , 2021, , .   |     | 0         |
| 29 | Cryogenic-cooled Tm:SBN tunable laser. , 2017, , .  |     | 0         |
| 30 | Compact Fe:ZnSe and Fe:ZnMnSe tunable lasers at 80 K pump with Er:YAG. , 2018, , .  |     | 0         |
| 31 | Spectral and Lasing Characteristics of Er:YAP Crystal in Temperature Range 80 to 300 K. , 2018, , .   |     | 0         |
| 32 | Spectroscopy and lasing of Tm:SrMoO <sub>4</sub> crystal near 1.5, 1.9, and 2.3- $\mu\text{m}$ under 793-nm excitation. , 2018, , .             |     | 0         |
| 33 | Spectroscopic and Lasing Properties of Er:GGAG Crystal in Temperature Range 80 to 340 K. , 2019, , .  |     | 0         |
| 34 | 2.94 $\mu\text{m}$ and 2.1 $\mu\text{m}$ tunable laser based on Yb,Ho-doped GGAG crystal. , 2019, , .   |     | 0         |
| 35 | Er:YAG microchip for lasing in spectral range 2.94 $\mu\text{m}$ and gain switching generation. , 2020, , .                                     |     | 0         |
| 36 | Temperature influence on Er:GGAG crystal spectroscopic properties and lasing at 3 $\mu\text{m}$ . , 2020, , .                                   |     | 0         |

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|----|--|----|-----------|
| 37 | Er,Pr:GGAG spectroscopy and laser characteristics at 3 $\hat{1}$ / <sub>4</sub> m in temperature range from 80 K to 300 K. , 2022, , . |    | 0         |