

# Kay Schaarschmidt

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

159  
citations

1307594

7  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Attenuation coefficients of selected organic and inorganic solvents in the mid-infrared spectral domain. <i>Optical Materials Express</i> , 2022, 12, 1754.	3.0	12
2	Ultrafast intermodal third harmonic generation in a liquid core step-index fiber filled with C <sub>2</sub> Cl <sub>4</sub> : erratum. <i>Optics Express</i> , 2021, 29, 1890.	3.4	0
3	Understanding Nonlinear Pulse Propagation in Liquid Strand-Based Photonic Bandgap Fibers. <i>Crystals</i> , 2021, 11, 305.	2.2	2
4	Higher-order mode supercontinuum generation in dispersion-engineered liquid-core fibers. <i>Scientific Reports</i> , 2021, 11, 5270.	3.3	18
5	Numerical and Experimental Demonstration of Intermodal Dispersive Wave Generation. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100125.	8.7	8
6	Taming Ultrafast Laser Filaments for Optimized Semiconductorâ€“Metal Welding. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000433.	8.7	31
7	Resonanceâ€“Induced Dispersion Tuning for Tailoring Nonsolitonic Radiation via Nanofilms in Exposed Core Fibers. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900418.	8.7	6
8	Essentials of resonance-enhanced soliton-based supercontinuum generation. <i>Optics Express</i> , 2020, 28, 2557.	3.4	6
9	Tailoring modulation instabilities and four-wave mixing in dispersion-managed composite liquid-core fibers. <i>Optics Express</i> , 2020, 28, 3097.	3.4	20
10	Ultrafast intermodal third harmonic generation in a liquid core step-index fiber filled with C <sub>2</sub> Cl <sub>4</sub> . <i>Optics Express</i> , 2020, 28, 25037.	3.4	6
11	Tailoring soliton fission at telecom wavelengths using composite-liquid-core fibers. <i>Optics Letters</i> , 2020, 45, 2985.	3.3	13
12	Engineering Photon Pair Generation in Microstructured Liquid-Core Fibers. , 2020, , .		0
13	Third-harmonic generation with tailored modes in liquid core fibers with geometric birefringence. <i>Optics Letters</i> , 2020, 45, 6859.	3.3	4
14	Third Harmonic Generation with Ultrashort Pulses in a C <sub>2</sub> Cl <sub>4</sub> Filled Liquid Core Fiber. , 2019, , .		0
15	Tunable multi-wavelength third-harmonic generation using exposed-core microstructured optical fiber. <i>Optics Letters</i> , 2019, 44, 626.	3.3	9
16	Long-term stable supercontinuum generation and watt-level transmission in liquid-core optical fibers. <i>Optics Letters</i> , 2019, 44, 2236.	3.3	17
17	Bending losses and modal properties of nano-bore optical fibers. <i>Optics Letters</i> , 2018, 43, 4192.	3.3	7