

# Yu Miao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8249375/publications.pdf>

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17  
papers

429  
citations

840776

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996975

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18  
all docs

18  
docs citations

18  
times ranked

332  
citing authors

#	ARTICLE	IF	CITATIONS
1	On-chip integrated laser-driven particle accelerator. <i>Science</i> , 2020, 367, 79-83.	12.6	141
2	Net Acceleration and Direct Measurement of Attosecond Electron Pulses in a Silicon Dielectric Laser Accelerator. <i>Physical Review Letters</i> , 2019, 123, 264802.	7.8	60
3	On-Chip Laser-Power Delivery System for Dielectric Laser Accelerators. <i>Physical Review Applied</i> , 2018, 9, .	3.8	37
4	Phase-dependent laser acceleration of electrons with symmetrically driven silicon dual pillar gratings. <i>Optics Letters</i> , 2018, 43, 2181.	3.3	34
5	Laser-Driven Electron Lensing in Silicon Microstructures. <i>Physical Review Letters</i> , 2019, 122, 104801.	7.8	31
6	Gallium Oxide for High-Power Optical Applications. <i>Advanced Optical Materials</i> , 2020, 8, 1901522.	7.3	25
7	A compact electron source for the dielectric laser accelerator. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	18
8	Extended Design Space of Silicon-on-Nothing MEMS. <i>Journal of Microelectromechanical Systems</i> , 2019, 28, 850-858.	2.5	15
9	Design of a multichannel photonic crystal dielectric laser accelerator. <i>Photonics Research</i> , 2020, 8, 1586.	7.0	14
10	Low-Energy-Spread Attosecond Bunching and Coherent Electron Acceleration in Dielectric Nanostructures. <i>Physical Review Applied</i> , 2021, 15, .	3.8	13
11	Quantum Nature of Dielectric Laser Accelerators. <i>Physical Review X</i> , 2021, 11, .	8.9	13
12	Operating modes of dual-grating dielectric laser accelerators. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	12
13	Surface treatments of dielectric laser accelerators for increased laser-induced damage threshold. <i>Optics Letters</i> , 2020, 45, 391.	3.3	7
14	Low-loss GaO <sub>x</sub> -core/SiO <sub>2</sub> -cladding planar waveguides on Si substrate. <i>Optics Express</i> , 2020, 28, 12475.	3.4	6
15	Accurate characterization of luminescent coupling effects with voltage and light bias adjustment. , 2016, , .		2
16	Novel Materials-based Laser Acceleration. , 2021, , .		0
17	Low loss Gallium Oxide core/Silica cladding planar waveguide. , 2021, , .		0