

# 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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g-index

18  
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18  
docs citations

18  
times ranked

332  
citing authors

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