

# Ming-Liang Ren

## List of Publications by Year in descending order

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32  
papers

632  
citations

567281

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580821

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all docs

32  
docs citations

32  
times ranked

964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-aligned on-chip coupled photonic devices using individual cadmium sulfide nanobelts. Nano Research, 2020, 13, 1413-1418.	10.4	7
2	Nanocavity-Enhanced Giant Stimulated Raman Scattering in Si Nanowires in the Visible Light Region. Nano Letters, 2019, 19, 1204-1209.	9.1	17
3	Anion Exchange in II-VI Semiconducting Nanostructures via Atomic Templating. Nano Letters, 2018, 18, 1620-1627.	9.1	11
4	Strong modulation of second-harmonic generation with very large contrast in semiconducting CdS via high-field domain. Nature Communications, 2018, 9, 186.	12.8	24
5	Inverting polar domains via electrical pulsing in metallic germanium telluride. Nature Communications, 2017, 8, 15033.	12.8	29
6	Voltage tunable dual wavelength light source via optomechanically controlled CdS nanoplates. , 2017, , .		0
7	Emission energy, exciton dynamics and lasing properties of buckled CdS nanoribbons. Scientific Reports, 2016, 6, 26607.	3.3	6
8	Electromechanically reconfigurable CdS nanoplate based nonlinear optical device. Optics Express, 2016, 24, 13459.	3.4	0
9	Nanotwin Detection and Domain Polarity Determination via Optical Second Harmonic Generation Polarimetry. Nano Letters, 2016, 16, 4404-4409.	9.1	12
10	Optomechanical Enhancement of Doubly Resonant 2D Optical Nonlinearity. Nano Letters, 2016, 16, 1631-1636.	9.1	71
11	Crystallographic Characterization of II-VI Semiconducting Nanostructures via Optical Second Harmonic Generation. Nano Letters, 2015, 15, 7341-7346.	9.1	45
12	Simultaneous broadband generation of second and third harmonics from chirped nonlinear photonic crystals. Light: Science and Applications, 2014, 3, e189-e189.	16.6	63
13	Giant enhancement of second harmonic generation by engineering double plasmonic resonances at nanoscale. Optics Express, 2014, 22, 28653.	3.4	27
14	Enhanced second-harmonic generation from metal-integrated semiconductor nanowires via highly confined whispering gallery modes. Nature Communications, 2014, 5, 5432.	12.8	72
15	Resolving Parity and Order of Fabry-Pérot Modes in Semiconductor Nanostructure Waveguides and Lasers: Young's Interference Experiment Revisited. Nano Letters, 2014, 14, 6564-6571.	9.1	34
16	Multiple second-harmonic waves in a nonlinear photonic crystal with fractal structure. Applied Physics B: Lasers and Optics, 2013, 111, 183-187.	2.2	3
17	An All-Optical Diode Based on Plasmonic Attenuation and Nonlinear Frequency Conversion. Chinese Physics Letters, 2013, 30, 097301.	3.3	8
18	LiNbO <sub>3</sub> Nonlinear Photonic Crystal with 12-Fold Rotational Symmetry. Chinese Physics Letters, 2013, 30, 064202.	3.3	0

#	ARTICLE	IF	CITATIONS
19	Broadband cascading of second-order nonlinearity in randomized nonlinear photonic crystal. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 365105.	2.8	6
20	Multi-directional Eerenkov second harmonic generation in two-dimensional nonlinear photonic crystal. <i>Optics Express</i> , 2012, 20, 3948.	3.4	6
21	Plasmonic coupling effect between two gold nanospheres for efficient second-harmonic generation. <i>Journal of Applied Physics</i> , 2012, 112, 083102.	2.5	13
22	Amplified Spontaneous Emission of Surface Plasmon Polaritons with Unusual Angle-Dependent Response. <i>Small</i> , 2012, 8, 1355-1359.	10.0	9
23	High conversion efficiency of second harmonic generation in a short nonlinear photonic crystal with distributed Bragg reflector mirrors. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 71-76.	2.3	7
24	Direct observation of amplified spontaneous emission of surface plasmon polaritons at metal/dielectric interfaces. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	23
25	Analysis of three-wave mixing in one-dimensional nonlinear multilayer structures with pump depletion. <i>Journal of Applied Physics</i> , 2011, 109, 083113.	2.5	3
26	An effective susceptibility model for exact solution of second harmonic generation in general quasi-phase-matched structures. <i>Europhysics Letters</i> , 2011, 94, 44003.	2.0	21
27	Experimental demonstration of super quasi-phase matching in nonlinear photonic crystal. <i>Optics Letters</i> , 2011, 36, 3696.	3.3	15
28	Broadband second harmonic generation in one-dimensional randomized nonlinear photonic crystal. <i>Applied Physics Letters</i> , 2011, 99, 031108.	3.3	22
29	Broadband Response of Second Harmonic Generation in a Two-Dimensional Quasi-Random Quasi-Phase-Matching Structure. <i>Chinese Physics Letters</i> , 2011, 28, 074218.	3.3	0
30	Exact iterative solution of second harmonic generation in quasi-phase-matched structures. <i>Optics Express</i> , 2010, 18, 7288.	3.4	29
31	Enhanced nonlinear frequency conversion in defective nonlinear photonic crystals with designed polarization distribution. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 1551.	2.1	27
32	Giant enhancement of second harmonic generation in nonlinear photonic crystals with distributed Bragg reflector mirrors. <i>Optics Express</i> , 2009, 17, 14502.	3.4	22