

# Xiwen Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8657645/publications.pdf>

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12  
papers

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citations

1163117

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1281871

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g-index

12  
all docs

12  
docs citations

12  
times ranked

163  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic crystal based photoelectrochemical cell for solar fuels. Nano Select, 2021, 2, 1218-1224.	3.7	2
2	Photonic crystal light trapping for photocatalysis. Optics Express, 2021, 29, 22376.	3.4	3
3	Enhanced photocatalysis by light-trapping optimization in inverse opals. Journal of Materials Chemistry A, 2020, 8, 18974-18986.	10.3	28
4	Nuclear Quantum Memory and Time Sequencing of a Single $\hat{\rho}^3$ Photon. Physical Review Letters, 2019, 123, 250504.	7.8	18
5	Broadband light-trapping enhancement of graphene absorptivity. Physical Review B, 2019, 99, .	3.2	9
6	Generation of Coherent Light by a Moving Medium. Physical Review Letters, 2017, 118, 123902.	7.8	4
7	Single-photon superradiance and radiation trapping by atomic shells. Physical Review A, 2016, 93, .	2.5	13
8	Quantum versus semiclassical description of light interaction with atomic ensembles: Revision of the Maxwell-Bloch equations and single-photon superradiance. Physical Review A, 2015, 92, .	2.5	14
9	New Approach to Quantum Amplification by Superradiant Emission of Radiation. , 2015, , 193-203.		2
10	All-optical quantum storage based on spatial chirp of the control field. Physical Review A, 2014, 90, .	2.5	15
11	Quantum storage based on control-field angular scanning. Physical Review A, 2013, 87, .	2.5	21
12	Superradiant control of $\hat{\rho}^3$ -ray propagation by vibrating nuclear arrays. Physical Review A, 2013, 88, .	2.5	10