

# Haowei Xu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Abnormal nonlinear optical responses on the surface of topological materials. Npj Computational Materials, 2022, 8, .	8.7	6
2	Colossal switchable photocurrents in topological Janus transition metal dichalcogenides. Npj Computational Materials, 2021, 7, .	8.7	27
3	Terahertz Driven Reversible Topological Phase Transition of Monolayer Transition Metal Dichalcogenides. Advanced Science, 2021, 8, e2003832.	11.2	25
4	Light-induced static magnetization: Nonlinear Edelstein effect. Physical Review B, 2021, 103, .	3.2	11
5	Light-Induced Quantum Anomalous Hall Effect on the 2D Surfaces of 3D Topological Insulators. Advanced Science, 2021, 8, e2101508.	11.2	11
6	Pure spin photocurrent in non-centrosymmetric crystals: bulk spin photovoltaic effect. Nature Communications, 2021, 12, 4330.	12.8	51
7	Giant Photonic Response of Mexican-Hat Topological Semiconductors for Mid-infrared to Terahertz Applications. Journal of Physical Chemistry Letters, 2020, 11, 6119-6126.	4.6	18
8	Optomechanical control of stacking patterns of h-BN bilayer. Nano Research, 2019, 12, 2634-2639.	10.4	20
9	Near-infrared optical properties and proposed phase-change usefulness of transition metal disulfides. Applied Physics Letters, 2019, 115, .	3.3	19
10	Regularity of high energy photon events from gamma ray bursts. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 050-050.	5.4	34
11	Opto-Mechanics Driven Fast Martensitic Transition in Two-Dimensional Materials. Nano Letters, 2018, 18, 7794-7800.	9.1	38
12	Light speed variation from gamma-ray bursts. Astroparticle Physics, 2016, 82, 72-76.	4.3	65
13	Light speed variation from gamma ray burst GRB 160509A. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 602-604.	4.1	61