

Xiaopeng Fan

List of Publications by Year in descending order

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11
papers

1,431
citations

840776

11
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

3200
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of Alloy MoS ₂ x ₂ Se ₂ (1-x) Nanosheets with Fully Tunable Chemical Compositions and Optical Properties. Journal of the American Chemical Society, 2014, 136, 3756-3759.	13.7	444
2	Directional Growth of Ultralong CsPbBr ₃ Perovskite Nanowires for High-Performance Photodetectors. Journal of the American Chemical Society, 2017, 139, 15592-15595.	13.7	260
3	Lateral Growth of Composition Graded Atomic Layer MoS ₂ (1-x)Se ₂ x Nanosheets. Journal of the American Chemical Society, 2015, 137, 5284-5287.	13.7	191
4	Broken Symmetry Induced Strong Nonlinear Optical Effects in Spiral WS ₂ Nanosheets. ACS Nano, 2017, 11, 4892-4898.	14.6	123
5	Photocurrent detection of the orbital angular momentum of light. Science, 2020, 368, 763-767.	12.6	113
6	Controlled Vapor Growth and Nonlinear Optical Applications of Large-Area 3R Phase WS ₂ and WSe ₂ Atomic Layers. Advanced Functional Materials, 2019, 29, 1806874.	14.9	92
7	Controllable Growth and Formation Mechanisms of Dislocated WS ₂ Spirals. Nano Letters, 2018, 18, 3885-3892.	9.1	88
8	Nonlinear photoluminescence in monolayer WS ₂ : parabolic emission and excitation fluence-dependent recombination dynamics. Nanoscale, 2017, 9, 7235-7241.	5.6	41
9	Spatially composition-modulated two-dimensional WS ₂ xSe ₂ (1-x) nanosheets. Nanoscale, 2017, 9, 4707-4712.	5.6	39
10	Mechanism of Extreme Optical Nonlinearities in Spiral WS ₂ above the Bandgap. Nano Letters, 2020, 20, 2667-2673.	9.1	25
11	Carrier-Funneling-Induced Efficient Energy Transfer in CdSxSe1-x Heterostructure Microplates. ACS Energy Letters, 2019, 4, 2796-2804.	17.4	15