

Xiaopeng Fan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10523808/publications.pdf>

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