

Youmin Rong

List of Publications by Year in descending order

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12
papers

1,048
citations

759233

12
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

2277
citing authors

#	ARTICLE	IF	CITATIONS
1	High Coulombic efficiency aluminum-ion battery using an AlCl ₃ -urea ionic liquid analog electrolyte. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 834-839.	7.1	306
2	Controlling sulphur precursor addition for large single crystal domains of WS ₂ . Nanoscale, 2014, 6, 12096-12103.	5.6	149
3	Controlled Preferential Oxidation of Grain Boundaries in Monolayer Tungsten Disulfide for Direct Optical Imaging. ACS Nano, 2015, 9, 3695-3703.	14.6	119
4	Revealing Defect-State Photoluminescence in Monolayer WS ₂ by Cryogenic Laser Processing. ACS Nano, 2016, 10, 5847-5855.	14.6	91
5	Ionic Liquid Analogs of AlCl ₃ with Urea Derivatives as Electrolytes for Aluminum Batteries. Advanced Functional Materials, 2020, 30, 1901928.	14.9	74
6	Photoinduced Schottky Barrier Lowering in 2D Monolayer WS ₂ Photodetectors. Advanced Optical Materials, 2016, 4, 1573-1581.	7.3	62
7	Doping Graphene Transistors Using Vertical Stacked Monolayer WS ₂ Heterostructures Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2016, 8, 1644-1652.	8.0	61
8	Biexciton Formation in Bilayer Tungsten Disulfide. ACS Nano, 2016, 10, 2176-2183.	14.6	57
9	Layer-Dependent Modulation of Tungsten Disulfide Photoluminescence by Lateral Electric Fields. ACS Nano, 2015, 9, 2740-2748.	14.6	50
10	Electroluminescence Dynamics across Grain Boundary Regions of Monolayer Tungsten Disulfide. ACS Nano, 2016, 10, 1093-1100.	14.6	31
11	Mixed multilayered vertical heterostructures utilizing strained monolayer WS ₂ . Nanoscale, 2016, 8, 2639-2647.	5.6	27
12	Uniformity of large-area bilayer graphene grown by chemical vapor deposition. Nanotechnology, 2015, 26, 395601.	2.6	21