

Haining Wang

List of Publications by Year in descending order

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10
papers

1,724
citations

933264

10
h-index

1372474

10
g-index

10
all docs

10
docs citations

10
times ranked

3180
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Dynamics of Defect-Assisted Electron-Hole Recombination in Monolayer MoS ₂ . Nano Letters, 2015, 15, 339-345.	4.5	509
2	Ultrafast relaxation dynamics of hot optical phonons in graphene. Applied Physics Letters, 2010, 96, .	1.5	234
3	Absorption of light by excitons and trions in monolayers of metal dichalcogenide MoS_2 : Experiments and theory. Physical Review B, 2014, 89, .	1.1	228
4	Very Slow Cooling Dynamics of Photoexcited Carriers in Graphene Observed by Optical-Pump Terahertz-Probe Spectroscopy. Nano Letters, 2011, 11, 4902-4906.	4.5	170
5	Surface Recombination Limited Lifetimes of Photoexcited Carriers in Few-Layer Transition Metal Dichalcogenide MoS ₂ . Nano Letters, 2015, 15, 8204-8210.	4.5	153
6	Radiative lifetimes of excitons and trions in monolayers of the metal dichalcogenide MoS_2 . Physical Review B, 2016, 93, .	1.1	138
7	Ultrafast response of monolayer molybdenum disulfide photodetectors. Nature Communications, 2015, 6, 8831.	5.8	147
8	Fast exciton annihilation by capture of electrons or holes by defects via Auger scattering in monolayer metal dichalcogenides. Physical Review B, 2015, 91, .	1.1	66
9	Ultrafast carrier recombination and generation rates for plasmon emission and absorption in graphene. Physical Review B, 2011, 84, .	1.1	56
10	Radiative and nonradiative exciton energy transfer in monolayers of two-dimensional group-VI transition metal dichalcogenides. Physical Review B, 2016, 93, .	1.1	13