

Archana Raja

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

1,603
citations

932766

10
h-index

1281420

11
g-index

11
all docs

11
docs citations

11
times ranked

2954
citing authors

#	ARTICLE	IF	CITATIONS
1	Coulomb engineering of the bandgap and excitons in two-dimensional materials. Nature Communications, 2017, 8, 15251.	5.8	526
2	Excitonic linewidth and coherence lifetime in monolayer transition metal dichalcogenides. Nature Communications, 2016, 7, 13279.	5.8	360
3	Dielectric disorder in two-dimensional materials. Nature Nanotechnology, 2019, 14, 832-837.	15.6	223
4	Probing the Dynamics of the Metallic-to-Semiconducting Structural Phase Transformation in MoS ₂ Crystals. Nano Letters, 2015, 15, 5081-5088.	4.5	174
5	Rigid Band Shifts in Two-Dimensional Semiconductors through External Dielectric Screening. Physical Review Letters, 2019, 123, 206403.	2.9	65
6	Intrinsic lifetime of higher excitonic states in tungsten diselenide monolayers. Nanoscale, 2019, 11, 12381-12387.	2.8	56
7	Enhanced nonlinear interaction of polaritons via excitonic Rydberg states in monolayer WSe ₂ . Nature Communications, 2021, 12, 2269.	5.8	55
8	Enhancement of Exciton-Phonon Scattering from Monolayer to Bilayer WS ₂ . Nano Letters, 2018, 18, 6135-6143.	4.5	50
9	Exciton broadening in WS_2 /graphene heterostructures. Physical Review B, 2017, 96, .	4.5	46
10	Dynamic Optical Tuning of Interlayer Interactions in the Transition Metal Dichalcogenides. Nano Letters, 2017, 17, 7761-7766.	4.5	46
11	Optimizing cathodoluminescence microscopy of buried interfaces through nanoscale heterostructure design. Nanoscale, 2022, 14, 7569-7578.	2.8	2