

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