

Kyle L Seyler

List of Publications by Year in descending order

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27
papers

14,916
citations

304368

22
h-index

525886

27
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27
all docs

27
docs citations

27
times ranked

14019
citing authors

#	ARTICLE	IF	CITATIONS
1	Layer-dependent ferromagnetism in a van der Waals crystal down to the monolayer limit. <i>Nature</i> , 2017, 546, 270-273.	13.7	3,824
2	Valleytronics in 2D materials. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	1,712
3	Observation of long-lived interlayer excitons in monolayer MoSe ₂ /WSe ₂ heterostructures. <i>Nature Communications</i> , 2015, 6, 6242.	5.8	1,252
4	Highly anisotropic and robust excitons in monolayer black phosphorus. <i>Nature Nanotechnology</i> , 2015, 10, 517-521.	15.6	1,204
5	Electrical control of 2D magnetism in bilayer CrI ₃ . <i>Nature Nanotechnology</i> , 2018, 13, 544-548.	15.6	975
6	Giant tunneling magnetoresistance in spin-filter van der Waals heterostructures. <i>Science</i> , 2018, 360, 1214-1218.	6.0	871
7	Signatures of moiré-trapped valley excitons in MoSe ₂ /WSe ₂ heterobilayers. <i>Nature</i> , 2019, 567, 66-70.	13.7	842
8	Room-temperature ferroelectricity in CuInP ₂ S ₆ ultrathin flakes. <i>Nature Communications</i> , 2016, 7, 12357.	5.8	637
9	Van der Waals engineering of ferromagnetic semiconductor heterostructures for spin and valleytronics. <i>Science Advances</i> , 2017, 3, e1603113.	4.7	635
10	Valley-polarized exciton dynamics in a 2D semiconductor heterostructure. <i>Science</i> , 2016, 351, 688-691.	6.0	606
11	Electrical control of second-harmonic generation in a WSe ₂ monolayer transistor. <i>Nature Nanotechnology</i> , 2015, 10, 407-411.	15.6	406
12	Interlayer valley excitons in heterobilayers of transition metal dichalcogenides. <i>Nature Nanotechnology</i> , 2018, 13, 1004-1015.	15.6	373
13	Determination of band offsets, hybridization, and exciton binding in 2D semiconductor heterostructures. <i>Science Advances</i> , 2017, 3, e1601832.	4.7	293
14	Valley Manipulation by Optically Tuning the Magnetic Proximity Effect in WSe ₂ /CrI ₃ Heterostructures. <i>Nano Letters</i> , 2018, 18, 3823-3828.	4.5	281
15	Ligand-field helical luminescence in a 2D ferromagnetic insulator. <i>Nature Physics</i> , 2018, 14, 277-281.	6.5	275
16	Tuning Ising superconductivity with layer and spin-orbit coupling in two-dimensional transition-metal dichalcogenides. <i>Nature Communications</i> , 2018, 9, 1427.	5.8	230
17	Layer-resolved magnetic proximity effect in van der Waals heterostructures. <i>Nature Nanotechnology</i> , 2020, 15, 187-191.	15.6	169
18	Directional interlayer spin-valley transfer in two-dimensional heterostructures. <i>Nature Communications</i> , 2016, 7, 13747.	5.8	106

#	ARTICLE	IF	CITATIONS
19	Moiré trions in MoSe ₂ /WSe ₂ heterobilayers. Nature Nanotechnology, 2021, 16, 1208-1213.	15.6	50
20	Dynamic Optical Tuning of Interlayer Interactions in the Transition Metal Dichalcogenides. Nano Letters, 2017, 17, 7761-7766.	4.5	46
21	Heterojunction PbS Nanocrystal Solar Cells with Oxide Charge-Transport Layers. ACS Nano, 2013, 7, 10938-10947.	7.3	34
22	Anisotropic structural dynamics of monolayer crystals revealed by femtosecond surface X-ray scattering. Nature Photonics, 2019, 13, 425-430.	15.6	28
23	Mirror symmetry breaking in a model insulating cuprate. Nature Physics, 2021, 17, 777-781.	6.5	24
24	Spin photovoltaic effect in magnetic van der Waals heterostructures. Science Advances, 2021, 7, eabg8094.	4.7	15
25	Strong Circularly Polarized Photoluminescence from Multilayer MoS ₂ Through Plasma Driven Direct-Gap Transition. ACS Photonics, 2016, 3, 310-314.	3.2	12
26	Spin-orbit-enhanced magnetic surface second-harmonic generation in SrO ₄ . Physical Review B, 2020, 102, .	1.1	11
27	Decoupling of static and dynamic criticality in a driven Mott insulator. Communications Physics, 2022, 5, .	2.0	5