

Kyle L Seyler

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	9,492 citations	20 h-index	27 g-index
27 ext. papers	12,302 ext. citations	23.2 avg, IF	6.07 L-index

#	Paper	IF	Citations
25	Layer-dependent ferromagnetism in a van der Waals crystal down to the monolayer limit. <i>Nature</i> , 2017 , 546, 270-273	50.4	2210
24	Valleytronics in 2D materials. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	1045
23	Highly anisotropic and robust excitons in monolayer black phosphorus. <i>Nature Nanotechnology</i> , 2015 , 10, 517-21	28.7	999
22	Observation of long-lived interlayer excitons in monolayer MoSe ₂ -WSe ₂ heterostructures. <i>Nature Communications</i> , 2015 , 6, 6242	17.4	896
21	Electrical control of 2D magnetism in bilayer CrI. <i>Nature Nanotechnology</i> , 2018 , 13, 544-548	28.7	626
20	Giant tunneling magnetoresistance in spin-filter van der Waals heterostructures. <i>Science</i> , 2018 , 360, 1214-1218	33.3	555
19	Signatures of moiré-trapped valley excitons in MoSe ₂ /WSe ₂ heterobilayers. <i>Nature</i> , 2019 , 567, 66-70	50.4	486
18	Valley-polarized exciton dynamics in a 2D semiconductor heterostructure. <i>Science</i> , 2016 , 351, 688-91	33.3	451
17	Van der Waals engineering of ferromagnetic semiconductor heterostructures for spin and valleytronics. <i>Science Advances</i> , 2017 , 3, e1603113	14.3	419
16	Room-temperature ferroelectricity in CuInP ₂ S ₆ ultrathin flakes. <i>Nature Communications</i> , 2016 , 7, 12357	17.4	355
15	Electrical control of second-harmonic generation in a WSe ₂ monolayer transistor. <i>Nature Nanotechnology</i> , 2015 , 10, 407-11	28.7	300
14	Interlayer valley excitons in heterobilayers of transition metal dichalcogenides. <i>Nature Nanotechnology</i> , 2018 , 13, 1004-1015	28.7	218
13	Determination of band offsets, hybridization, and exciton binding in 2D semiconductor heterostructures. <i>Science Advances</i> , 2017 , 3, e1601832	14.3	208
12	Ligand-field helical luminescence in a 2D ferromagnetic insulator. <i>Nature Physics</i> , 2018 , 14, 277-281	16.2	192
11	Valley Manipulation by Optically Tuning the Magnetic Proximity Effect in WSe ₂ /CrI Heterostructures. <i>Nano Letters</i> , 2018 , 18, 3823-3828	11.5	159
10	Tuning Ising superconductivity with layer and spin-orbit coupling in two-dimensional transition-metal dichalcogenides. <i>Nature Communications</i> , 2018 , 9, 1427	17.4	124
9	Directional interlayer spin-valley transfer in two-dimensional heterostructures. <i>Nature Communications</i> , 2016 , 7, 13747	17.4	80

8	Layer-resolved magnetic proximity effect in van der Waals heterostructures. <i>Nature Nanotechnology</i> , 2020 , 15, 187-191	28.7	66
7	Heterojunction PbS nanocrystal solar cells with oxide charge-transport layers. <i>ACS Nano</i> , 2013 , 7, 10938-10947	47.7	29
6	Dynamic Optical Tuning of Interlayer Interactions in the Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2017 , 17, 7761-7766	11.5	29
5	Anisotropic structural dynamics of monolayer crystals revealed by femtosecond surface X-ray scattering. <i>Nature Photonics</i> , 2019 , 13, 425-430	33.9	19
4	Moiré Interactions in MoSe/WSe heterobilayers. <i>Nature Nanotechnology</i> , 2021 , 16, 1208-1213	28.7	13
3	Strong Circularly Polarized Photoluminescence from Multilayer MoS ₂ Through Plasma Driven Direct-Gap Transition. <i>ACS Photonics</i> , 2016 , 3, 310-314	6.3	9
2	Mirror symmetry breaking in a model insulating cuprate. <i>Nature Physics</i> , 2021 , 17, 777-781	16.2	4
1	Spin photovoltaic effect in magnetic van der Waals heterostructures. <i>Science Advances</i> , 2021 , 7, eabg8094	24.3	0