

# Daniel S Schulman

## List of Publications by Year in descending order

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17  
papers

1,271  
citations

840776

11  
h-index

996975

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17  
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docs citations

17  
times ranked

2513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness Trends of Electron and Hole Conduction and Contact Carrier Injection in Surface Charge Transfer Doped 2D Field Effect Transistors. ACS Nano, 2020, 14, 13557-13568.	14.6	35
2	Polarization-induced Strain-coupled TMD FETs (PS FETs) for Non-Volatile Memory Applications. , 2020, , .		3
3	2D Strain FET (2D-SFET)-Based SRAMsâ€™ Part II: Back Voltage-Enabled Designs. IEEE Transactions on Electron Devices, 2020, 67, 4875-4883.	3.0	3
4	2-D Strain FET (2D-SFET) Based SRAMsâ€™ Part I: Device-Circuit Interactions. IEEE Transactions on Electron Devices, 2020, 67, 4866-4874.	3.0	5
5	Carbon doping of WS <sub>2</sub> monolayers: Bandgap reduction and p-type doping transport. Science Advances, 2019, 5, eaav5003.	10.3	119
6	Defect-Controlled Nucleation and Orientation of WSe <sub>2</sub> on hBN: A Route to Single-Crystal Epitaxial Monolayers. ACS Nano, 2019, 13, 3341-3352.	14.6	107
7	Mobility Deception in Nanoscale Transistors: An Untold Contact Story. Advanced Materials, 2019, 31, e1806020.	21.0	51
8	Contact engineering for 2D materials and devices. Chemical Society Reviews, 2018, 47, 3037-3058.	38.1	561
9	Three-Dimensional Integrated X-ray Diffraction Imaging of a Native Strain in Multi-Layered WSe <sub>2</sub> . Nano Letters, 2018, 18, 1993-2000.	9.1	9
10	Superior Electro-Oxidation and Corrosion Resistance of Monolayer Transition Metal Disulfides. ACS Applied Materials & Interfaces, 2018, 10, 4285-4294.	8.0	23
11	Defect Dynamics in 2-D MoS <sub>2</sub> Probed by Using Machine Learning, Atomistic Simulations, and High-Resolution Microscopy. ACS Nano, 2018, 12, 8006-8016.	14.6	72
12	Steep slope 2D strain field effect transistor: 2D-SFET. , 2018, , .		3
13	Mimicking Neurotransmitter Release in Chemical Synapses <i>via</i> Hysteresis Engineering in MoS <sub>2</sub> Transistors. ACS Nano, 2017, 11, 3110-3118.	14.6	217
14	Titanium dioxide nanowire sensor array integration on CMOS platform using deterministic assembly. Nanotechnology, 2017, 28, 265501.	2.6	3
15	The Prospect of Two-Dimensional Heterostructures: A Review of Recent Breakthroughs. IEEE Nanotechnology Magazine, 2017, 11, 6-17.	1.3	27
16	Anomalous Corrosion of Bulk Transition Metal Diselenides Leading to Stable Monolayers. ACS Applied Materials & Interfaces, 2017, 9, 39059-39068.	8.0	11
17	Facile Electrochemical Synthesis of 2D Monolayers for High-Performance Thin-Film Transistors. ACS Applied Materials & Interfaces, 2017, 9, 44617-44624.	8.0	22