

Mahmut Tosun

List of Publications by Year in descending order

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18
papers

4,633
citations

471061

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docs citations

18
times ranked

6906
citing authors

#	ARTICLE	IF	CITATIONS
1	Degenerate n-Doping of Few-Layer Transition Metal Dichalcogenides by Potassium. Nano Letters, 2013, 13, 1991-1995.	4.5	651
2	Air-Stable Surface Charge Transfer Doping of MoS ₂ by Benzyl Viologen. Journal of the American Chemical Society, 2014, 136, 7853-7856.	6.6	593
3	Field-Effect Transistors Built from All Two-Dimensional Material Components. ACS Nano, 2014, 8, 6259-6264.	7.3	582
4	Dual-Gated MoS ₂ /WSe ₂ van der Waals Tunnel Diodes and Transistors. ACS Nano, 2015, 9, 2071-2079.	7.3	560
5	MoS ₂ P-type Transistors and Diodes Enabled by High Work Function MoO _x Contacts. Nano Letters, 2014, 14, 1337-1342.	4.5	487
6	Gold-Mediated Exfoliation of Ultralarge Optoelectronically Perfect Monolayers. Advanced Materials, 2016, 28, 4053-4058.	11.1	307
7	High-Gain Inverters Based on WSe ₂ Complementary Field-Effect Transistors. ACS Nano, 2014, 8, 4948-4953.	7.3	284
8	2D-2D tunneling field-effect transistors using WSe ₂ /SnSe ₂ heterostructures. Applied Physics Letters, 2016, 108, .	1.5	252
9	Air Stable p-Doping of WSe ₂ by Covalent Functionalization. ACS Nano, 2014, 8, 10808-10814.	7.3	208
10	Air-Stable n-Doping of WSe ₂ by Anion Vacancy Formation with Mild Plasma Treatment. ACS Nano, 2016, 10, 6853-6860.	7.3	202
11	Lithium Fluoride Based Electron Contacts for High Efficiency n-Type Crystalline Silicon Solar Cells. Advanced Energy Materials, 2016, 6, 1600241.	10.2	134
12	Monolithic 3D CMOS Using Layered Semiconductors. Advanced Materials, 2016, 28, 2547-2554.	11.1	107
13	MoS ₂ Heterojunctions by Thickness Modulation. Scientific Reports, 2015, 5, 10990.	1.6	93
14	Air stable n-doping of WSe ₂ by silicon nitride thin films with tunable fixed charge density. APL Materials, 2014, 2, .	2.2	76
15	Direct growth of single-crystalline III-V semiconductors on amorphous substrates. Nature Communications, 2016, 7, 10502.	5.8	45
16	Nanoscale Junction Formation by Gas-Phase Monolayer Doping. ACS Applied Materials & Interfaces, 2017, 9, 20648-20655.	4.0	22
17	Oriented Growth of Gold Nanowires on MoS ₂ . Advanced Functional Materials, 2015, 25, 6257-6264.	7.8	21
18	2D layered materials: From materials properties to device applications. , 2015, , .		9