

# Hyo Won Kim

## List of Publications by Year in descending order

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15  
papers

567  
citations

1040056

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1058476

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15  
docs citations

15  
times ranked

1124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conformational Molecular Switch of the Azobenzene Molecule: A Scanning Tunneling Microscopy Study. <i>Physical Review Letters</i> , 2006, 96, 156106.	7.8	358
2	Nanoscale control of phonon excitations in graphene. <i>Nature Communications</i> , 2015, 6, 7528.	12.8	48
3	Te vacancy-driven superconductivity in orthorhombic molybdenum ditelluride. <i>2D Materials</i> , 2017, 4, 021030.	4.4	42
4	Control of Molecular Rotors by Selection of Anchoring Sites. <i>Physical Review Letters</i> , 2011, 106, 146101.	7.8	26
5	One-Dimensional Molecular Zippers. <i>Journal of the American Chemical Society</i> , 2011, 133, 9236-9238.	13.7	19
6	Symmetry Dictated Grain Boundary State in a Two-Dimensional Topological Insulator. <i>Nano Letters</i> , 2020, 20, 5837-5843.	9.1	16
7	Strong interaction between graphene edge and metal revealed by scanning tunneling microscopy. <i>Carbon</i> , 2014, 78, 190-195.	10.3	15
8	Unraveling the Structural and Electronic Properties of Graphene/Ge(110). <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 7059-7063.	4.6	13
9	Electronic structure and switching behavior of the metastable silicene domain boundary. <i>Applied Physics Letters</i> , 2017, 110, 263112.	3.3	10
10	Evolution of Graphene Growth on Pt(111): From Carbon Clusters to Nanoislands. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25074-25078.	3.1	7
11	Quenching of the Resonant States of Single Carbon Vacancies in Graphene/Pt(111). <i>Journal of Physical Chemistry C</i> , 2017, 121, 24641-24647.	3.1	4
12	Reshaped Weyl fermionic dispersions driven by Coulomb interactions in $\text{MoTe}_2$ . <i>Physical Review B</i> , 2022, 105, .	3.1	0
13	Unidirectional growth of graphene nano-islands from carbon cluster seeds on Ge(1 1 0). <i>Applied Surface Science</i> , 2021, 536, 147722.	6.1	3
14	Dimensionality Control of Self-Assembled Azobenzene Derivatives on a Gold Surface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8859-8864.	3.1	2
15	Magnetic states of atomic vacancies in graphite probed by scanning tunneling microscopy. <i>AIP Advances</i> , 2020, 10, 085325.	1.3	0