

Se-Jong Kahng

List of Publications by Year in descending order

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43
papers

1,583
citations

516215

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288905

40
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45
all docs

45
docs citations

45
times ranked

2707
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.	2.9	358
2	A Platform for Large-Scale Graphene Electronics – CVD Growth of Single-Layer Graphene on CVD-Grown Hexagonal Boron Nitride. <i>Advanced Materials</i> , 2013, 25, 2746-2752.	11.1	227
3	Dirac electrons in a dodecagonal graphene quasicrystal. <i>Science</i> , 2018, 361, 782-786.	6.0	223
4	Interchain Interactions Mediated by Br Adsorbates in Arrays of Metal-Organic Hybrid Chains on Ag(111). <i>Journal of Physical Chemistry C</i> , 2011, 115, 14834-14838.	1.5	67
5	Visualizing Halogen Bonds in Planar Supramolecular Systems. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2297-2301.	1.5	66
6	Switching and Sensing Spin States of Co-Porphyrin in Bimolecular Reactions on Au(111) Using Scanning Tunneling Microscopy. <i>ACS Nano</i> , 2013, 7, 9312-9317.	7.3	61
7	Paired Gap States in a Semiconducting Carbon Nanotube: Deep and Shallow Levels. <i>Physical Review Letters</i> , 2005, 95, 166402.	2.9	59
8	Electronic structures of one-dimensional metal-molecule hybrid chains studied using scanning tunneling microscopy and density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7304.	1.3	51
9	Catalytic Transparency of Hexagonal Boron Nitride on Copper for Chemical Vapor Deposition Growth of Large-Area and High-Quality Graphene. <i>ACS Nano</i> , 2014, 8, 5478-5483.	7.3	48
10	Observation of spatially-varying Fermi velocity in strained-graphene directly grown on hexagonal boron nitride. <i>Carbon</i> , 2014, 74, 139-145.	5.4	37
11	Molecular Multistate Systems Formed in Two-Dimensional Porous Networks on Ag(111). <i>Journal of Physical Chemistry C</i> , 2013, 117, 302-306.	1.5	29
12	Closed-loop ARS mode for scanning ion conductance microscopy with improved speed and stability for live cell imaging applications. <i>Nanoscale</i> , 2015, 7, 10989-10997.	2.8	28
13	Achieving chiral resolution in self-assembled supramolecular structures through kinetic pathways. <i>Nanotechnology</i> , 2011, 22, 275705.	1.3	23
14	Mapping the electronic structures of a metalloporphyrin molecule on Au(111) by scanning tunneling microscopy and spectroscopy. <i>Physical Review B</i> , 2009, 80, .	1.1	21
15	Supramolecular Cl...H and O...H Interactions in Self-Assembled 1,5-Dichloroanthraquinone Layers on Au(111). <i>ChemPhysChem</i> , 2013, 14, 1177-1181.	1.0	19
16	Tetragonal porous networks made by rod-like molecules on Au(1 1 1) with halogen bonds. <i>Applied Surface Science</i> , 2014, 309, 74-78.	3.1	19
17	O ₂ , NO ₂ and NH ₃ coordination to Co-porphyrin studied with scanning tunneling microscopy on Au(111). <i>Nanoscale</i> , 2019, 11, 8510-8517.	2.8	16
18	Mapping potential landscapes of semiconducting carbon nanotubes with scanning gate microscopy. <i>Nanotechnology</i> , 2007, 18, 475712.	1.3	15

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19	Quintuple layer Bi ₂ Se ₃ thin films directly grown on insulating SiO ₂ using molecular beam epitaxy. Applied Surface Science, 2014, 316, 42-45.	3.1	15
20	Strong interaction between graphene edge and metal revealed by scanning tunneling microscopy. Carbon, 2014, 78, 190-195.	5.4	15
21	Supramolecular interactions in Co-porphyrin/Au with N_3H_3 and $N_3H_3O_2$ molecules. Dalton Transactions, 2016, 45, 16673-16681.	1.1	15
22	Adsorption, manipulation and self-assembly of TBrPP-Co molecules on a Ag/Si(111) surface by scanning tunnelling microscopy. Nanotechnology, 2008, 19, 465707.	1.3	13
23	Recovery and local-variation of Dirac cones in oxygen-intercalated graphene on Ru(0001) studied using scanning tunneling microscopy and spectroscopy. Physical Chemistry Chemical Physics, 2013, 15, 16019.	1.3	13
24	Visualizing tilted binding and precession of diatomic NO adsorbed to Co-porphyrin on Au(111) using scanning tunneling microscopy. Chemical Science, 2014, 5, 2224-2229.	3.7	13
25	Axial coordination and electronic structure of diatomic NO, CO, and O ₂ molecules adsorbed onto Co-tetraphenylporphyrin on Au(111), Ag(111), and Cu(111): a density-functional theory study. Dalton Transactions, 2016, 45, 16673-16681.	1.6	13
26	Metal-supported high crystalline Bi ₂ Se ₃ quintuple layers. Nanotechnology, 2011, 22, 465602.	1.3	12
27	Probing Single-Molecule Dissociations from a Bimolecular Complex NO-Co-Porphyrin. ACS Nano, 2015, 9, 7722-7728.	7.3	12
28	Multipoint Force Feedback Leveling of Massively Parallel Tip Arrays in Scanning Probe Lithography. Small, 2015, 11, 4526-4531.	5.2	11
29	Supramolecular interactions of anthraquinone networks on Au(111): Hydrogen bonds and van der Waals interactions. Applied Surface Science, 2013, 268, 432-435.	3.1	10
30	Anisotropic Terahertz Emission from Bi ₂ Se ₃ Thin Films with Inclined Crystal Planes. Nanoscale Research Letters, 2015, 10, 489.	3.1	10
31	Corner hole adatom stacking fault structure of Bi on Au(111). Surface Science, 2009, 603, 145-150.	0.8	9
32	Networks of non-planar molecules with halogen bonds studied using scanning tunneling microscopy on Au (111). Applied Surface Science, 2018, 432, 110-114.	3.1	8
33	Donor and acceptor-like electronic states in a one-dimensional semiconductor. Surface Science, 2006, 600, 4937-4940.	0.8	7
34	Surface atomic structure of alloyed Mn ₅ Ge ₃ (0001) by scanning tunneling microscopy. Surface Science, 2008, 602, 481-486.	0.8	7
35	Two-dimensional networks of brominated Y-shaped molecules on Au(111). Applied Surface Science, 2018, 432, 332-336.	3.1	7
36	Linear and Hexagonal Porous Structures of an Organic Charge Acceptor Hexaaza-triphenylene-hexacarbonitrile on Au(111) with CNA···CN Dipolar Interactions. Journal of Physical Chemistry C, 2013, 117, 21371-21375.	1.5	6

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37	Observations of New Dirac Points in One-Dimensionally-Rippled Graphene on Hexagonal BN Using Scanning Tunneling Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19535-19538.	1.5	6
38	Mapping subsurface structure through atomically thin bismuth films on Si(111) (7 \times 7) with scanning tunneling microscope. <i>Surface Science</i> , 2008, 602, 3352-3357.	0.8	3
39	Two-dimensional vacancy islands induced by the growth of Cr on Cu(111). <i>Thin Solid Films</i> , 2010, 519, 1375-1379.	0.8	3
40	Atomic-level strain-relieving mechanism and local electronic structure of a wetting film. <i>Applied Physics Letters</i> , 2005, 87, 123112.	1.5	1
41	Visualization of local gate control in a ZnO inter-nanowire junction device. <i>Solid-State Electronics</i> , 2009, 53, 320-323.	0.8	1
42	One-dimensional structures of three quinone molecules on Au(111). <i>Surface Science</i> , 2021, 713, 121911.	0.8	1
43	Thickness-dependent Dirac dispersions of few-layer topological insulators supported by metal substrate. <i>Nanotechnology</i> , 2017, 28, 215207.	1.3	0