

Nathan P Guisinger

List of Publications by Year in descending order

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31
papers

4,359
citations

430442

18
h-index

454577

30
g-index

31
all docs

31
docs citations

31
times ranked

6255
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of borophenes: Anisotropic, two-dimensional boron polymorphs. <i>Science</i> , 2015, 350, 1513-1516.	6.0	2,047
2	Synthesis and chemistry of elemental 2D materials. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	671
3	Borophene Synthesis on Au(111). <i>ACS Nano</i> , 2019, 13, 3816-3822.	7.3	261
4	Patterning Graphene at the Nanometer Scale via Hydrogen Desorption. <i>Nano Letters</i> , 2009, 9, 4343-4347.	4.5	171
5	Direct oriented growth of armchair graphene nanoribbons on germanium. <i>Nature Communications</i> , 2015, 6, 8006.	5.8	157
6	Substrate-Induced Nanoscale Undulations of Borophene on Silver. <i>Nano Letters</i> , 2016, 16, 6622-6627.	4.5	155
7	Exposure of Epitaxial Graphene on SiC(0001) to Atomic Hydrogen. <i>Nano Letters</i> , 2009, 9, 1462-1466.	4.5	144
8	Electronic and Mechanical Properties of Graphene-Germanium Interfaces Grown by Chemical Vapor Deposition. <i>Nano Letters</i> , 2015, 15, 7414-7420.	4.5	103
9	Silicon Growth at the Two-Dimensional Limit on Ag(111). <i>ACS Nano</i> , 2014, 8, 7538-7547.	7.3	101
10	Structural and Electronic Decoupling of C ₆₀ from Epitaxial Graphene on SiC. <i>Nano Letters</i> , 2012, 12, 3018-3024.	4.5	100
11	Self-assembly of electronically abrupt borophene/organic lateral heterostructures. <i>Science Advances</i> , 2017, 3, e1602356.	4.7	79
12	Visualizing short-range charge transfer at the interfaces between ferromagnetic and superconducting oxides. <i>Nature Communications</i> , 2013, 4, 2336.	5.8	68
13	Edge structure of epitaxial graphene islands. <i>Physical Review B</i> , 2010, 81, .	1.1	42
14	Nanometer-Scale Striped Surface Terminations on Fractured SrTiO ₃ Surfaces. <i>ACS Nano</i> , 2009, 3, 4132-4136.	7.3	40
15	Sub-5-nm, globally aligned graphene nanoribbons on Ge(001). <i>Applied Physics Letters</i> , 2016, 108, .	1.5	31
16	Graphene at the Atomic Scale: Synthesis, Characterization, and Modification. <i>Advanced Functional Materials</i> , 2013, 23, 2554-2564.	7.8	30
17	Rotational superstructure in van der Waals heterostructure of self-assembled C ₆₀ monolayer on the WSe ₂ surface. <i>Nanoscale</i> , 2017, 9, 13245-13256.	2.8	23
18	Visualizing nanoscale electronic band alignment at the $La_{2-x}Mn_2O_7$ Physical Review B, 2010, 82, .	1.1	22

#	ARTICLE	IF	CITATIONS
19	Controllable local modification of fractured Nb-doped SrTiO ₃ surfaces. Applied Physics Letters, 2009, 95, .	1.5	16
20	Epitaxial graphene-encapsulated surface reconstruction of Ge(110). Physical Review Materials, 2018, 2, .	0.9	16
21	Synthesis of Armchair Graphene Nanoribbons on Germanium-on-Silicon. Journal of Physical Chemistry C, 2019, 123, 18445-18454.	1.5	12
22	Cross-sectional Scanning Tunneling Microscopy Applied to Complex Oxide Interfaces. Advanced Functional Materials, 2013, 23, 2565-2575.	7.8	11
23	Built-in Electric Field Induced Mechanical Property Change at the Lanthanum Nickelate/Nb-doped Strontium Titanate Interfaces. Scientific Reports, 2016, 6, 19017.	1.6	10
24	Survey of fractured SrTiO ₃ surfaces: From the micrometer to nanometer scale. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, C5A11-C5A13.	0.6	9
25	Driving chemical interactions at graphene-germanium van der Waals interfaces via thermal annealing. Applied Physics Letters, 2018, 113, .	1.5	9
26	Graphene nanoribbons initiated from molecularly derived seeds. Nature Communications, 2022, 13, .	5.8	9
27	Current-Driven Hydrogen Desorption from Graphene: Experiment and Theory. Journal of Physical Chemistry Letters, 2016, 7, 486-494.	2.1	8
28	Cross-sectional scanning tunneling microscopy for complex oxide interfaces. Proceedings of SPIE, 2011, , .	0.8	6
29	Morphology control of Fe films using ordered termination on SrTiO ₃ surfaces. Applied Physics Letters, 2012, 100, .	1.5	5
30	Edge states in the honeycomb reconstruction of two-dimensional silicon nanosheets. Applied Physics Letters, 2019, 115, 023102.	1.5	3
31	Response to "Comment on "Controllable local modification of fractured Nb-doped SrTiO ₃ surfaces" [Appl. Phys. Lett. 98, 256102 (2011)]. Applied Physics Letters, 2011, 98, .	1.5	0