

# Nathan P Guisinger

## List of Publications by Citations

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30  
papers

3,292  
citations

18  
h-index

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g-index

31  
ext. papers

3,837  
ext. citations

10.7  
avg, IF

5.16  
L-index

#	Paper	IF	Citations
30	Synthesis of borophenes: Anisotropic, two-dimensional boron polymorphs. <i>Science</i> , <b>2015</b> , 350, 1513-6	33.3	1479
29	Synthesis and chemistry of elemental 2D materials. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1,	34.6	475
28	Patterning graphene at the nanometer scale via hydrogen desorption. <i>Nano Letters</i> , <b>2009</b> , 9, 4343-7	11.5	157
27	Substrate-Induced Nanoscale Undulations of Borophene on Silver. <i>Nano Letters</i> , <b>2016</b> , 16, 6622-6627	11.5	136
26	Borophene Synthesis on Au(111). <i>ACS Nano</i> , <b>2019</b> , 13, 3816-3822	16.7	134
25	Direct oriented growth of armchair graphene nanoribbons on germanium. <i>Nature Communications</i> , <b>2015</b> , 6, 8006	17.4	134
24	Exposure of epitaxial graphene on SiC(0001) to atomic hydrogen. <i>Nano Letters</i> , <b>2009</b> , 9, 1462-6	11.5	131
23	Silicon growth at the two-dimensional limit on Ag(111). <i>ACS Nano</i> , <b>2014</b> , 8, 7538-47	16.7	93
22	Electronic and Mechanical Properties of Graphene-Germanium Interfaces Grown by Chemical Vapor Deposition. <i>Nano Letters</i> , <b>2015</b> , 15, 7414-20	11.5	83
21	Structural and electronic decoupling of Cl from epitaxial graphene on SiC. <i>Nano Letters</i> , <b>2012</b> , 12, 3018-24	11.5	83
20	Self-assembly of electronically abrupt borophene/organic lateral heterostructures. <i>Science Advances</i> , <b>2017</b> , 3, e1602356	14.3	64
19	Visualizing short-range charge transfer at the interfaces between ferromagnetic and superconducting oxides. <i>Nature Communications</i> , <b>2013</b> , 4, 2336	17.4	61
18	Edge structure of epitaxial graphene islands. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	40
17	Nanometer-scale striped surface terminations on fractured SrTiO(3) surfaces. <i>ACS Nano</i> , <b>2009</b> , 3, 4132-6	16.7	38
16	Graphene at the Atomic-Scale: Synthesis, Characterization, and Modification. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2554-2564	15.6	27
15	Sub-5 nm, globally aligned graphene nanoribbons on Ge(001). <i>Applied Physics Letters</i> , <b>2016</b> , 108, 213101	3.4	27
14	Visualizing nanoscale electronic band alignment at the La <sub>2</sub> /3Ca <sub>1</sub> /3MnO <sub>3</sub> /Nb:SrTiO <sub>3</sub> interface. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	22

13	Rotational superstructure in van der Waals heterostructure of self-assembled C monolayer on the WSe surface. <i>Nanoscale</i> , <b>2017</b> , 9, 13245-13256	7.7	19
12	Controllable local modification of fractured Nb-doped SrTiO <sub>3</sub> surfaces. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 163107	3.4	16
11	Epitaxial graphene-encapsulated surface reconstruction of Ge(110). <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	13
10	Cross-Sectional Scanning Tunneling Microscopy Applied to Complex Oxide Interfaces. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2565-2575	15.6	10
9	Survey of fractured SrTiO <sub>3</sub> surfaces: From the micrometer to nanometer scale. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2010</b> , 28, C5A11-C5A13	1.3	9
8	Built-in Electric Field Induced Mechanical Property Change at the Lanthanum Nickelate/Nb-doped Strontium Titanate Interfaces. <i>Scientific Reports</i> , <b>2016</b> , 6, 19017	4.9	9
7	Synthesis of Armchair Graphene Nanoribbons on Germanium-on-Silicon. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 18445-18454	3.8	8
6	Current-Driven Hydrogen Desorption from Graphene: Experiment and Theory. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 486-94	6.4	6
5	Cross-sectional scanning tunneling microscopy for complex oxide interfaces <b>2011</b> ,		6
4	Driving chemical interactions at graphene-germanium van der Waals interfaces via thermal annealing. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 213103	3.4	5
3	Morphology control of Fe films using ordered termination on SrTiO <sub>3</sub> surfaces. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 031601	3.4	4
2	Edge states in the honeycomb reconstruction of two-dimensional silicon nanosheets. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 023102	3.4	2
1	Response to Comment on Controllable local modification of fractured Nb-doped SrTiO <sub>3</sub> surfaces[Appl. Phys. Lett. 98, 256102 (2011)]. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 256103	3.4	