

Nathan P Guisinger

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1166705/nathan-p-guisinger-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

3,292
citations

18
h-index

31
g-index

31
ext. papers

3,837
ext. citations

10.7
avg, IF

5.16
L-index

#	Paper	IF	Citations
30	Borophene Synthesis on Au(111). <i>ACS Nano</i> , 2019 , 13, 3816-3822	16.7	134
29	Synthesis of Armchair Graphene Nanoribbons on Germanium-on-Silicon. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18445-18454	3.8	8
28	Edge states in the honeycomb reconstruction of two-dimensional silicon nanosheets. <i>Applied Physics Letters</i> , 2019 , 115, 023102	3.4	2
27	Epitaxial graphene-encapsulated surface reconstruction of Ge(110). <i>Physical Review Materials</i> , 2018 , 2,	3.2	13
26	Driving chemical interactions at graphene-germanium van der Waals interfaces via thermal annealing. <i>Applied Physics Letters</i> , 2018 , 113, 213103	3.4	5
25	Synthesis and chemistry of elemental 2D materials. <i>Nature Reviews Chemistry</i> , 2017 , 1,	34.6	475
24	Self-assembly of electronically abrupt borophene/organic lateral heterostructures. <i>Science Advances</i> , 2017 , 3, e1602356	14.3	64
23	Rotational superstructure in van der Waals heterostructure of self-assembled C monolayer on the WSe surface. <i>Nanoscale</i> , 2017 , 9, 13245-13256	7.7	19
22	Current-Driven Hydrogen Desorption from Graphene: Experiment and Theory. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 486-94	6.4	6
21	Built-in Electric Field Induced Mechanical Property Change at the Lanthanum Nickelate/Nb-doped Strontium Titanate Interfaces. <i>Scientific Reports</i> , 2016 , 6, 19017	4.9	9
20	Sub-5 nm, globally aligned graphene nanoribbons on Ge(001). <i>Applied Physics Letters</i> , 2016 , 108, 213101	3.4	27
19	Substrate-Induced Nanoscale Undulations of Borophene on Silver. <i>Nano Letters</i> , 2016 , 16, 6622-6627	11.5	136
18	Electronic and Mechanical Properties of Graphene-Germanium Interfaces Grown by Chemical Vapor Deposition. <i>Nano Letters</i> , 2015 , 15, 7414-20	11.5	83
17	Direct oriented growth of armchair graphene nanoribbons on germanium. <i>Nature Communications</i> , 2015 , 6, 8006	17.4	134
16	Synthesis of borophenes: Anisotropic, two-dimensional boron polymorphs. <i>Science</i> , 2015 , 350, 1513-6	33.3	1479
15	Silicon growth at the two-dimensional limit on Ag(111). <i>ACS Nano</i> , 2014 , 8, 7538-47	16.7	93
14	Visualizing short-range charge transfer at the interfaces between ferromagnetic and superconducting oxides. <i>Nature Communications</i> , 2013 , 4, 2336	17.4	61

13	Graphene at the Atomic-Scale: Synthesis, Characterization, and Modification. <i>Advanced Functional Materials</i> , 2013 , 23, 2554-2564	15.6	27
12	Cross-Sectional Scanning Tunneling Microscopy Applied to Complex Oxide Interfaces. <i>Advanced Functional Materials</i> , 2013 , 23, 2565-2575	15.6	10
11	Structural and electronic decoupling of Cl from epitaxial graphene on SiC. <i>Nano Letters</i> , 2012 , 12, 3018-241.5	1.5	83
10	Morphology control of Fe films using ordered termination on SrTiO ₃ surfaces. <i>Applied Physics Letters</i> , 2012 , 100, 031601	3.4	4
9	Cross-sectional scanning tunneling microscopy for complex oxide interfaces 2011 ,		6
8	Response to Comment on Controllable local modification of fractured Nb-doped SrTiO ₃ surfaces [Appl. Phys. Lett. 98, 256102 (2011)]. <i>Applied Physics Letters</i> , 2011 , 98, 256103	3.4	
7	Survey of fractured SrTiO ₃ surfaces: From the micrometer to nanometer scale. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, C5A11-C5A13	1.3	9
6	Edge structure of epitaxial graphene islands. <i>Physical Review B</i> , 2010 , 81,	3.3	40
5	Visualizing nanoscale electronic band alignment at the La ₂ /3Ca ₁ /3MnO ₃ /Nb:SrTiO ₃ interface. <i>Physical Review B</i> , 2010 , 82,	3.3	22
4	Controllable local modification of fractured Nb-doped SrTiO ₃ surfaces. <i>Applied Physics Letters</i> , 2009 , 95, 163107	3.4	16
3	Nanometer-scale striped surface terminations on fractured SrTiO(3) surfaces. <i>ACS Nano</i> , 2009 , 3, 4132-616.7	16.7	38
2	Patterning graphene at the nanometer scale via hydrogen desorption. <i>Nano Letters</i> , 2009 , 9, 4343-7	11.5	157
1	Exposure of epitaxial graphene on SiC(0001) to atomic hydrogen. <i>Nano Letters</i> , 2009 , 9, 1462-6	11.5	131