

# Johannes Aprojanz

## List of Publications by Year in descending order

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19  
papers

543  
citations

840776

11  
h-index

839539

18  
g-index

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all docs

19  
docs citations

19  
times ranked

1004  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comeback of epitaxial graphene for electronics: large-area growth of bilayer-free graphene on SiC. 2D Materials, 2016, 3, 041002.	4.4	135
2	Metallic Twin Grain Boundaries Embedded in MoSe <sub>2</sub> Monolayers Grown by Molecular Beam Epitaxy. ACS Nano, 2017, 11, 5130-5139.	14.6	83
3	Minimum Resistance Anisotropy of Epitaxial Graphene on SiC. ACS Applied Materials & Interfaces, 2018, 10, 6039-6045.	8.0	47
4	Ballistic tracks in graphene nanoribbons. Nature Communications, 2018, 9, 4426.	12.8	45
5	One-dimensional confinement and width-dependent bandgap formation in epitaxial graphene nanoribbons. Nature Communications, 2020, 11, 6380.	12.8	43
6	Growth and characterization of sidewall graphene nanoribbons. Applied Physics Letters, 2015, 106, .	3.3	29
7	Electron Interference in Ballistic Graphene Nanoconstrictions. Physical Review Letters, 2016, 116, 186602.	7.8	24
8	Homogeneous Large-Area Quasi-Free-Standing Monolayer and Bilayer Graphene on SiC. ACS Applied Nano Materials, 2019, 2, 844-852.	5.0	24
9	Wafer Scale Growth and Characterization of Edge Specific Graphene Nanoribbons for Nanoelectronics. ACS Applied Nano Materials, 2019, 2, 156-162.	5.0	22
10	Firing-Stable PECVD SiO <sub>x</sub> /N <sub>y</sub> /n-Poly-Si Surface Passivation for Silicon Solar Cells. ACS Applied Energy Materials, 2021, 4, 4646-4653.	5.1	22
11	Ge <sub>2</sub> Pt hut clusters: A substrate for germanene. Journal of Applied Physics, 2018, 124, .	2.5	12
12	Quasi-free-standing bilayer graphene nanoribbons probed by electronic transport. Applied Physics Letters, 2017, 110, .	3.3	11
13	Highly anisotropic electric conductivity in PAN-based carbon nanofibers. Journal of Physics Condensed Matter, 2017, 29, 494002.	1.8	11
14	Graphene Ribbon Growth on Structured Silicon Carbide. Annalen Der Physik, 2017, 529, 1700052.	2.4	11
15	Topological Surface State in Epitaxial Zigzag Graphene Nanoribbons. Nano Letters, 2021, 21, 2876-2882.	9.1	10
16	Noninvasive coupling of PbPc monolayers to epitaxial graphene on SiC(0001). Surface Science, 2019, 686, 45-51.	1.9	6
17	1D ballistic transport channel probed by invasive and non-invasive contacts. Applied Physics Letters, 2018, 113, .	3.3	5
18	Nanoscale imaging of electric pathways in epitaxial graphene nanoribbons. Nano Research, 2019, 12, 1697-1702.	10.4	3

#	ARTICLE	IF	CITATIONS
19	Electronic transport in graphene nanoribbons. , 0, , .		0