

Joseph A Stroschio

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

3,794
citations

411340

20
h-index

536525

29
g-index

30
all docs

30
docs citations

30
times ranked

4690
citing authors

#	ARTICLE	IF	CITATIONS
1	Edge channels of broken-symmetry quantum Hall states in graphene visualized by atomic force microscopy. <i>Nature Communications</i> , 2021, 12, 2852.	5.8	24
2	Achieving $\frac{1}{4}$ eV tunneling resolution in an in-operando scanning tunneling microscopy, atomic force microscopy, and magnetotransport system for quantum materials research. <i>Review of Scientific Instruments</i> , 2020, 91, 071101.	0.6	17
3	Tuning single-electron charging and interactions between compressible Landau level islands in graphene. <i>Physical Review B</i> , 2020, 101, .	1.1	18
4	Tuning single-electron charging and interactions between compressible Landau level islands in graphene. <i>Physical Review B</i> , 2020, 101, .	1.1	2
5	Interaction-driven quantum Hall wedding cake-like structures in graphene quantum dots. <i>Science</i> , 2018, 361, 789-794.	6.0	46
6	An on/off Berry phase switch in circular graphene resonators. <i>Science</i> , 2017, 356, 845-849.	6.0	107
7	Helical level structure of Dirac potential wells. <i>Physical Review B</i> , 2017, 96, .	1.1	2
8	Strain engineering a charge-density-wave phase in transition-metal dichalcogenide T VS e . <i>Physical Review Materials</i> , 2017, 1, .	0.9	42
9	Tomography of a Probe Potential Using Atomic Sensors on Graphene. <i>ACS Nano</i> , 2016, 10, 10698-10705.	7.3	13
10	Creating nanostructured superconductors on demand by local current annealing. <i>Physical Review B</i> , 2015, 92, .	1.1	10
11	Programmable Extreme Pseudomagnetic Fields in Graphene by a Uniaxial Stretch. <i>Physical Review Letters</i> , 2015, 115, 245501.	2.9	100
12	Strong Asymmetric Charge Carrier Dependence in Inelastic Electron Tunneling Spectroscopy of Graphene Phonons. <i>Physical Review Letters</i> , 2015, 114, 245502.	2.9	41
13	Creating and probing electron whispering-gallery modes in graphene. <i>Science</i> , 2015, 348, 672-675.	6.0	170
14	Invited Article: Autonomous assembly of atomically perfect nanostructures using a scanning tunneling microscope. <i>Review of Scientific Instruments</i> , 2014, 85, 121301.	0.6	41
15	Pseudomagnetic fields in a locally strained graphene drumhead. <i>Physical Review B</i> , 2014, 90, .	1.1	40
16	Renormalization of the Graphene Dispersion Velocity Determined from Scanning Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2012, 109, 116802.	2.9	86
17	Electromechanical Properties of Graphene Drumheads. <i>Science</i> , 2012, 336, 1557-1561.	6.0	264
18	Evolution of microscopic localization in graphene in a magnetic field from scattering resonances to quantum dots. <i>Nature Physics</i> , 2011, 7, 245-251.	6.5	122

#	ARTICLE	IF	CITATIONS
19	High-resolution tunnelling spectroscopy of a graphene quartet. <i>Nature</i> , 2010, 467, 185-189.	13.7	171
20	Invited Review Article: A 10 mK scanning probe microscopy facility. <i>Review of Scientific Instruments</i> , 2010, 81, 121101.	0.6	106
21	Observing the Quantization of Zero Mass Carriers in Graphene. <i>Science</i> , 2009, 324, 924-927.	6.0	431
22	Making Mn Substitutional Impurities in InAs using a Scanning Tunneling Microscope. <i>Nano Letters</i> , 2009, 9, 4333-4337.	4.5	11
23	Electronically Induced Atom Motion in Engineered Co/Cu Nanostructures. <i>Science</i> , 2006, 313, 948-951.	6.0	68
24	Trapping and Moving Atoms on Surfaces. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2005, , 363-383.	2.3	2
25	Controlling the Dynamics of a Single Atom in Lateral Atom Manipulation. <i>Science</i> , 2004, 306, 242-247.	6.0	255
26	A closed loop controller for electron e-beam evaporators. <i>Review of Scientific Instruments</i> , 1996, 67, 2366-2369.	0.6	9
27	Atomic and Molecular Manipulation with the Scanning Tunneling Microscope. <i>Science</i> , 1991, 254, 1319-1326.	6.0	941
28	Imaging electronic surface states in real space on the Si(111) 2 \times 1 surface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1987, 5, 838-841.	0.9	58
29	Electronic Structure of the Si(111)2 \times 1 Surface by Scanning-Tunneling Microscopy. <i>Physical Review Letters</i> , 1986, 57, 2579-2582.	2.9	597