

Benjamin J Alemán

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,609
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

3583
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled assembly of retinal cells on fractal and Euclidean electrodes. PLoS ONE, 2022, 17, e0265685.	2.5	4
2	Nonvolatile Rewritable Frequency Tuning of a Nanoelectromechanical Resonator Using Photoinduced Doping. Nano Letters, 2020, 20, 2378-2386.	9.1	9
3	The Roles of an Aluminum Underlayer in the Biocompatibility and Mechanical Integrity of Vertically Aligned Carbon Nanotubes for Interfacing with Retinal Neurons. Micromachines, 2020, 11, 546.	2.9	10
4	A fast and sensitive room-temperature graphene nanomechanical bolometer. Nature Communications, 2019, 10, 4726.	12.8	97
5	Spatially resolved optical excitation of mechanical modes in graphene NEMS. Applied Physics Letters, 2019, 115, .	3.3	12
6	Deterministic Quantum Emitter Formation in Hexagonal Boron Nitride via Controlled Edge Creation. Nano Letters, 2019, 19, 2121-2127.	9.1	88
7	Single-Photon Emitters in Boron Nitride Nanococoons. Nano Letters, 2018, 18, 2683-2688.	9.1	20
8	A Bottom-Up Approach to Solution-Processed, Atomically Precise Graphitic Cylinders on Graphite. Nano Letters, 2018, 18, 7991-7997.	9.1	48
9	Engineering the Modal Shape of Graphene Nanoelectromechanical Systems Using Focused Ion Beam Milling. , 2018, , .		0
10	Shape tailoring to enhance and tune the properties of graphene nanomechanical resonators. 2D Materials, 2017, 4, 025101.	4.4	19
11	Deterministic coupling of delta-doped nitrogen vacancy centers to a nanobeam photonic crystal cavity. Applied Physics Letters, 2014, 105, .	3.3	68
12	Engineered Micro- and Nanoscale Diamonds as Mobile Probes for High-Resolution Sensing in Fluid. Nano Letters, 2014, 14, 4959-4964.	9.1	44
13	Polymer-free, low tension graphene mechanical resonators. Physica Status Solidi - Rapid Research Letters, 2013, 7, 1064-1066.	2.4	7
14	Electron spin resonance of nitrogen-vacancy centers in optically trapped nanodiamonds. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13493-13497.	7.1	117
15	Graphene Veils and Sandwiches. Nano Letters, 2011, 11, 3290-3294.	9.1	54
16	Multiply folded graphene. Physical Review B, 2011, 83, .	3.2	269
17	High-temperature stability of suspended single-layer graphene. Physica Status Solidi - Rapid Research Letters, 2010, 4, 302-304.	2.4	86
18	A direct transfer of layer-area graphene. Applied Physics Letters, 2010, 96, .	3.3	335

#	ARTICLE	IF	CITATIONS
19	Transfer-Free Batch Fabrication of Large-Area Suspended Graphene Membranes. ACS Nano, 2010, 4, 4762-4768.	14.6	103
20	Sustained Mechanical Self-Oscillations in Carbon Nanotubes. Nano Letters, 2010, 10, 1728-1733.	9.1	55
21	Biomimetic Nanowire Coatings for Next Generation Adhesive Drug Delivery Systems. Nano Letters, 2009, 9, 716-720.	9.1	164