

# Benjamin J Alemán

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6212516/publications.pdf>

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	A direct transfer of layer-area graphene. Applied Physics Letters, 2010, 96, .	3.3	335
2	Multiply folded graphene. Physical Review B, 2011, 83, .	3.2	269
3	Biomimetic Nanowire Coatings for Next Generation Adhesive Drug Delivery Systems. Nano Letters, 2009, 9, 716-720.	9.1	164
4	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
5	Transfer-Free Batch Fabrication of Large-Area Suspended Graphene Membranes. ACS Nano, 2010, 4, 4762-4768.	14.6	103
6	A fast and sensitive room-temperature graphene nanomechanical bolometer. Nature Communications, 2019, 10, 4726.	12.8	97
7	Deterministic Quantum Emitter Formation in Hexagonal Boron Nitride via Controlled Edge Creation. Nano Letters, 2019, 19, 2121-2127.	9.1	88
8	High-temperature stability of suspended single-layer graphene. Physica Status Solidi - Rapid Research Letters, 2010, 4, 302-304.	2.4	86
9	Deterministic coupling of delta-doped nitrogen vacancy centers to a nanobeam photonic crystal cavity. Applied Physics Letters, 2014, 105, .	3.3	68
10	Sustained Mechanical Self-Oscillations in Carbon Nanotubes. Nano Letters, 2010, 10, 1728-1733.	9.1	55
11	Graphene Veils and Sandwiches. Nano Letters, 2011, 11, 3290-3294.	9.1	54
12	A Bottom-Up Approach to Solution-Processed, Atomically Precise Graphitic Cylinders on Graphite. Nano Letters, 2018, 18, 7991-7997.	9.1	48
13	Engineered Micro- and Nanoscale Diamonds as Mobile Probes for High-Resolution Sensing in Fluid. Nano Letters, 2014, 14, 4959-4964.	9.1	44
14	Single-Photon Emitters in Boron Nitride Nanococoons. Nano Letters, 2018, 18, 2683-2688.	9.1	20
15	Shape tailoring to enhance and tune the properties of graphene nanomechanical resonators. 2D Materials, 2017, 4, 025101.	4.4	19
16	Spatially resolved optical excitation of mechanical modes in graphene NEMS. Applied Physics Letters, 2019, 115, .	3.3	12
17	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
18	Nonvolatile Rewritable Frequency Tuning of a Nanoelectromechanical Resonator Using Photoinduced Doping. Nano Letters, 2020, 20, 2378-2386.	9.1	9

#	ARTICLE	IF	CITATIONS
19	Polymer-free, low tension graphene mechanical resonators. Physica Status Solidi - Rapid Research Letters, 2013, 7, 1064-1066.	2.4	7
20	Controlled assembly of retinal cells on fractal and Euclidean electrodes. PLoS ONE, 2022, 17, e0265685.	2.5	4
21	Engineering the Modal Shape of Graphene Nanoelectromechanical Systems Using Focused Ion Beam Milling. , 2018, , .		0