

# Ramón Bernardo-Gavito

## List of Publications by Year in descending order

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18  
papers

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citations

1307594

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h-index

996975

15  
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18  
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18  
docs citations

18  
times ranked

539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic Crystals for Enhanced Light Extraction from 2D Materials. ACS Photonics, 2016, 3, 2515-2520.	6.6	48
2	Organic Covalent Patterning of Nanostructured Graphene with Selectivity at the Atomic Level. Nano Letters, 2016, 16, 355-361.	9.1	36
3	Porous Silica-Pillared MXenes with Controllable Interlayer Distances for Long-Life Na-Ion Batteries. Langmuir, 2020, 36, 4370-4382.	3.5	30
4	Optical identification using imperfections in 2D materials. 2D Materials, 2017, 4, 045021.	4.4	24
5	Extracting random numbers from quantum tunnelling through a single diode. Scientific Reports, 2017, 7, 17879.	3.3	22
6	Large-Area Heterostructures from Graphene and Encapsulated Colloidal Quantum Dots via the Langmuir-Blodgett Method. ACS Applied Materials & Interfaces, 2018, 10, 6805-6809.	8.0	12
7	Increasing the light extraction and longevity of TMDC monolayers using liquid formed micro-lenses. 2D Materials, 2017, 4, 015032.	4.4	10
8	Local characterization of the optical properties of annealed Au films on glass substrates. Journal of Applied Physics, 2013, 114, 164312.	2.5	7
9	Growth and characterization of 7,7,8,8-tetracyano-quinodimethane crystals on chemical vapor deposition graphene. Journal of Crystal Growth, 2016, 453, 1-6.	1.5	7
10	Electrical and geometrical tuning of MoS <sub>2</sub> field effect transistors via direct nanopatterning. Nanoscale, 2019, 11, 11152-11158.	5.6	7
11	Fluorene-based rib waveguides with optimized geometry for long-term amplified spontaneous emission stability. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1040-1045.	2.1	5
12	Resonant-Tunnelling Diodes as PUF Building Blocks. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 878-885.	4.6	4
13	Coverage evolution of the unoccupied Density of States in sulfur superstructures on Ru(0001). Applied Surface Science, 2018, 433, 300-305.	6.1	3
14	Photodetecting Heterostructures from Graphene and Encapsulated Colloidal Quantum Dot Films. ACS Omega, 2019, 4, 15824-15828.	3.5	3
15	Inorganically coated colloidal quantum dots in polar solvents using a microemulsion-assisted method. Physical Chemistry Chemical Physics, 2017, 19, 1999-2007.	2.8	2
16	Electronic Properties of Sulfur Covered Ru(0001) Surfaces. Journal of Physical Chemistry A, 2018, 122, 2232-2240.	2.5	2
17	Innovative patterning method for modifying few-layer MoS <sub>2</sub> device geometries. , 2017, , .		0
18	N-state random switching based on quantum tunnelling. , 2017, , .		0