

Ramón Bernardo-Gavito

List of Publications by Year in descending order

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18
papers

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1307594

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docs citations

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539
citing authors

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