Humberto Rodrguez Gutirrez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27 papers	7,376 citations	15 h-index	29 g-index
29 ext. papers	8,456 ext. citations	13.3 avg, IF	5.44 L-index

#	Paper	IF	Citations
27	Bandgap Engineering in 2D Lateral Heterostructures of Transition Metal Dichalcogenides via Controlled Alloying.. *Small*, **2022**, e2106600	11	4
26	Thermal Phase Control of Two-Dimensional Pt-Chalcogenide (Se and Te) Ultrathin Epitaxial Films and Nanocrystals. *Chemistry of Materials*, **2021**, 33, 8018-8027	9.6	0
25	Covalent Organic Frameworks: Single-Pore versus Dual-Pore Bipyridine-Based Covalent Organic Frameworks: An Insight into the Heterogeneous Catalytic Activity for Selective C?H Functionalization (Small 22/2021). *Small*, **2021**, 17, 2170109	11	1
24	Single-Pore versus Dual-Pore Bipyridine-Based Covalent-Organic Frameworks: An Insight into the Heterogeneous Catalytic Activity for Selective C?H Functionalization. *Small*, **2021**, 17, e2003970	11	8
23	Large-Area Growth and Stability of Monolayer Gallium Monochalcogenides for Optoelectronic Devices. *ACS Applied Nano Materials*, **2020**, 3, 7879-7887	5.6	8
22	Two-Dimensional Layered Materials Offering Expanded Applications in Flatland. *ACS Applied Nano Materials*, **2020**, 3, 6134-6139	5.6	6
21	Facile Morphological Qualification of Transferred Graphene by Phase-Shifting Interferometry. *Advanced Materials*, **2020**, 32, e2002854	24	3
20	Graphene: Facile Morphological Qualification of Transferred Graphene by Phase-Shifting Interferometry (Adv. Mater. 38/2020). *Advanced Materials*, **2020**, 32, 2070288	24	
19	Bilayer Lateral Heterostructures of Transition-Metal Dichalcogenides and Their Optoelectronic Response. *ACS Nano*, **2019**, 13, 12372-12384	16.7	50
18	Probing nano-heterogeneity and aging effects in lateral 2D heterostructures using tip-enhanced photoluminescence. *Optical Materials Express*, **2019**, 9, 1620	2.6	23
17	Strong room-temperature ferromagnetism in VSe monolayers on van der Waals substrates. *Nature Nanotechnology*, **2018**, 13, 289-293	28.7	795
16	One-pot growth of two-dimensional lateral heterostructures via sequential edge-epitaxy. *Nature*, **2018**, 553, 63-67	50.4	272
15	Laser-Assisted Chemical Modification of Monolayer Transition Metal Dichalcogenides. *Advanced Functional Materials*, **2018**, 28, 1802949	15.6	26
14	Biexcitons in monolayer transition metal dichalcogenides tuned by magnetic fields. *Nature Communications*, **2018**, 9, 3720	17.4	19
13	Two-dimensional transition metal dichalcogenides: Clusters, ribbons, sheets and more. *Nano Today*, **2015**, 10, 559-592	17.9	84
12	Nanoribbons: Nitrogen-Doped Graphitic Nanoribbons: Synthesis, Characterization, and Transport (Adv. Funct. Mater. 30/2013). *Advanced Functional Materials*, **2013**, 23, 3714-3714	15.6	
11	Nitrogen-Doped Graphitic Nanoribbons: Synthesis, Characterization, and Transport. *Advanced Functional Materials*, **2013**, 23, 3755-3762	15.6	28

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10	Extraordinary room-temperature photoluminescence in triangular WS2 monolayers. *Nano Letters*, **2013**, 13, 3447-54	11.5	1145
9	Progress, challenges, and opportunities in two-dimensional materials beyond graphene. *ACS Nano*, **2013**, 7, 2898-926	16.7	3414
8	Nitrogen–Silicon Heterodoping of Carbon Nanotubes. *Journal of Physical Chemistry C*, **2013**, 117, 8481-8498	4.8	19
7	Photosensor Device Based on Few-Layered WS2 Films. *Advanced Functional Materials*, **2013**, 23, 5511-5517	15.6	480
6	Identification of individual and few layers of WS2 using Raman Spectroscopy. *Scientific Reports*, **2013**, 3,	4.9	911
5	Sensors: Photosensor Device Based on Few-Layered WS2 Films (Adv. Funct. Mater. 44/2013). *Advanced Functional Materials*, **2013**, 23, 5510-5510	15.6	5
4	Probing Phonons in Nonpolar Semiconducting Nanowires with Raman Spectroscopy. *Journal of Nanotechnology*, **2012**, 2012, 1-18	3.5	13
3	Photoluminescence from nanocrystalline graphite monofluoride. *Applied Physics Letters*, **2010**, 97, 141915	3.4	29
2	Polarized Raman scattering from single GaP nanowires. *Physical Review B*, **2010**, 81,	3.3	30
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