

# David A Ruiz-Tijerina

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1287258/publications.pdf>

Version: 2024-02-01

18  
papers

1,125  
citations

687363

13  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1920  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moiré band structures of twisted phosphorene bilayers. Physical Review B, 2022, 105, .	3.2	3
2	Superposition of intra- and inter-layer excitons in twistrionic MoSe <sub>2</sub> /WSe <sub>2</sub> bilayers probed by resonant Raman scattering. 2D Materials, 2021, 8, 035009.	4.4	25
3	Excited Rydberg states in MoSe <sub>2</sub> /WSe <sub>2</sub> heterostructures. 2D Materials, 2021, 8, 035047.	4.4	5
4	Band energy landscapes in twisted homobilayers of transition metal dichalcogenides. Applied Physics Letters, 2021, 118, .	3.3	21
5	Multifaceted moiré superlattice physics in twisted $\text{WSe}_2$ bilayers. Physical Review B, 2021, 104, .	3.2	19
6	Theory of moiré localized excitons in transition metal dichalcogenide heterobilayers. Physical Review B, 2020, 102, .	3.2	19
7	Multiflavor Dirac fermions in Kekulé-distorted graphene bilayers. Physical Review B, 2019, 100, .	3.2	13
8	Resonantly hybridized excitons in moiré superlattices in van der Waals heterostructures. Nature, 2019, 567, 81-86.	27.8	621
9	Interlayer hybridization and moiré superlattice minibands for electrons and excitons in heterobilayers of transition-metal dichalcogenides. Physical Review B, 2019, 99, .	3.2	116
10	Tuning of impurity-bound interlayer complexes in a van der Waals heterobilayer. 2D Materials, 2019, 6, 035032.	4.4	17
11	Localized interlayer complexes in heterobilayer transition metal dichalcogenides. Physical Review B, 2018, 97, .	3.2	29
12	Hybrid $k$ - $p$ tight-binding model for subbands and infrared intersubband optics in few-layer films of transition-metal dichalcogenides: $\text{MoS}_2$ , $\text{WSe}_2$ , $\text{WSe}_2$ . Physical Review B, 2018, 98, .	3.2	34
13	Nano-imaging of intersubband transitions in van der Waals quantum wells. Nature Nanotechnology, 2018, 13, 1035-1041.	31.5	75
14	Transport signatures of Kondo physics and quantum criticality in graphene with magnetic impurities. Physical Review B, 2017, 95, .	3.2	14
15	Symmetry-protected coherent transport for diluted vacancies and adatoms in graphene. Physical Review B, 2016, 94, .	3.2	16
16	Interaction effects on a Majorana zero mode leaking into a quantum dot. Physical Review B, 2015, 91, .	3.2	75
17	Capacitive interactions and Kondo effect tuning in double quantum impurity systems. Physical Review B, 2014, 90, .	3.2	7
18	Dynamical magnetic anisotropy and quantum phase transitions in a vibrating spin-1 molecular junction. Physical Review B, 2012, 86, .	3.2	11