

# Nicolas Ubrig

## List of Publications by Year in descending order

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35  
papers

2,322  
citations

331259

21  
h-index

360668

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

4691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasi-1D Electronic Transport in a 2D Magnetic Semiconductor. <i>Advanced Materials</i> , 2022, 34, e2109759.	11.1	40
2	Light sources with bias tunable spectrum based on van der Waals interface transistors. <i>Nature Communications</i> , 2022, 13, .	5.8	2
3	Ionic gate spectroscopy of 2D semiconductors. <i>Nature Reviews Physics</i> , 2021, 3, 508-519.	11.9	22
4	Identifying atomically thin crystals with diffusively reflected light. <i>2D Materials</i> , 2021, 8, 045016.	2.0	2
5	Magnetization dependent tunneling conductance of ferromagnetic barriers. <i>Nature Communications</i> , 2021, 12, 6659.	5.8	6
6	Low-temperature monoclinic layer stacking in atomically thin CrI <sub>3</sub> crystals. <i>2D Materials</i> , 2020, 7, 015007.	2.0	65
7	Synthetic Semimetals with van der Waals Interfaces. <i>Nano Letters</i> , 2020, 20, 1322-1328.	4.5	9
8	Design of van der Waals interfaces for broad-spectrum optoelectronics. <i>Nature Materials</i> , 2020, 19, 299-304.	13.3	106
9	Flipping exciton angular momentum with chiral phonons in MoSe <sub>2</sub> /WSe <sub>2</sub> heterobilayers. <i>2D Materials</i> , 2020, 7, 041002.	2.0	24
10	Giant anomalous Hall effect in quasi-two-dimensional layered antiferromagnet $\text{Co}_2\text{V}_2\text{O}_7$ . <i>Physical Review Research</i> , 2020, 2, .	2.0	36
11	Enhanced Electron-Phonon Interaction in Multivalley Materials. <i>Physical Review X</i> , 2019, 9, .	2.8	47
12	Probing magnetism in 2D materials at the nanoscale with single-spin microscopy. <i>Science</i> , 2019, 364, 973-976.	6.0	347
13	Microfocus Laser-Angle-Resolved Photoemission on Encapsulated Mono-, Bi-, and Few-Layer 1T <sup>-</sup> -WTe <sub>2</sub> . <i>Nano Letters</i> , 2019, 19, 554-560.	4.5	52
14	Hole Transport in Exfoliated Monolayer MoS <sub>2</sub> . <i>ACS Nano</i> , 2018, 12, 2669-2676.	7.3	41
15	Fluid Inclusion Studies in Opaque Ore Minerals: I. Trace Element Content and Physical Properties of Ore Minerals Controlling Textural Features in Transmitted Near-Infrared Light Microscopy. <i>Economic Geology</i> , 2018, 113, 1845-1860.	1.8	11
16	Fluid Inclusion Studies in Opaque Ore Minerals: II. A Comparative Study of Syngenetic Synthetic Fluid Inclusions Hosted in Quartz and Opaque Minerals. <i>Economic Geology</i> , 2018, 113, 1861-1883.	1.8	15
17	Very large tunneling magnetoresistance in layered magnetic semiconductor CrI <sub>3</sub> . <i>Nature Communications</i> , 2018, 9, 2516.	5.8	472
18	Lithium-ion conducting glass ceramics for electrostatic gating. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	17

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19	Semiconducting van der Waals Interfaces as Artificial Semiconductors. Nano Letters, 2018, 18, 5146-5152.	4.5	25
20	Microscopic Origin of the Valley Hall Effect in Transition Metal Dichalcogenides Revealed by Wavelength-Dependent Mapping. Nano Letters, 2017, 17, 5719-5725.	4.5	54
21	Electroluminescence from indirect band gap semiconductor ReS <sub>2</sub> . 2D Materials, 2016, 3, 045016.	2.0	66
22	Tuning magnetotransport in a compensated semimetal at the atomic scale. Nature Communications, 2015, 6, 8892.	5.8	133
23	Ambipolar Light-Emitting Transistors on Chemical Vapor Deposited Monolayer MoS <sub>2</sub> . Nano Letters, 2015, 15, 8289-8294.	4.5	67
24	Scanning photocurrent microscopy reveals electron-hole asymmetry in ionic liquid-gated WS <sub>2</sub> transistors. Applied Physics Letters, 2014, 104, .	1.5	35
25	Mono- and Bilayer WS <sub>2</sub> Light-Emitting Transistors. Nano Letters, 2014, 14, 2019-2025.	4.5	424
26	Chloride-Driven Chemical Vapor Transport Method for Crystal Growth of Transition Metal Dichalcogenides. Crystal Growth and Design, 2013, 13, 4453-4459.	1.4	66
27	Fabry-Perot enhanced Faraday rotation in graphene. Optics Express, 2013, 21, 24736.	1.7	47
28	Infrared spectroscopy of hole-doped ABA-stacked trilayer graphene. Europhysics Letters, 2012, 100, 58003.	0.7	7
29	High-field magnetotransmission investigation of natural graphite. Physical Review B, 2011, 83, .	1.1	11
30	Energy structure of Er-2O center in GaAs:Er,O studied by high magnetic field photoluminescence measurement. Journal of Luminescence, 2011, 131, 2294-2298.	1.5	4
31	Determination of effective mass in InN by high-field oscillatory magnetoabsorption spectroscopy. Physical Review B, 2011, 83, .	1.1	34
32	Dynamic Alignment of Single-Walled Carbon Nanotubes in Pulsed Magnetic Fields. Journal of Low Temperature Physics, 2010, 159, 262-266.	0.6	3
33	Photoluminescence Measurement of Er,O-Codoped GaAs Under a Pulsed Magnetic Field up to 60Â. Journal of Low Temperature Physics, 2010, 159, 203-207.	0.6	7
34	HIGH FIELD MAGNETO-OPTICAL SPECTROSCOPY OF HIGHLY ALIGNED INDIVIDUAL AND ENSEMBLE SINGLE-WALLED CARBON NANOTUBES. International Journal of Modern Physics B, 2009, 23, 2667-2675.	1.0	1
35	Magneto-optical spectroscopy of highly aligned carbon nanotubes: Identifying the role of threading magnetic flux. Physical Review B, 2008, 78, .	1.1	24