

# Oscar Avalos Ovando

## List of Publications by Year in descending order

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19  
papers

453  
citations

686830

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752256

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g-index

20  
all docs

20  
docs citations

20  
times ranked

394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidimensional nanoscopic chiroptics. Nature Reviews Physics, 2022, 4, 113-124.	11.9	87
2	Enhancement of thermoelectric efficiency and violation of the Wiedemann-Franz law due to Fano effect. Journal of Applied Physics, 2012, 111, .	1.1	54
3	Local Growth Mediated by Plasmonic Hot Carriers: Chirality from Achiral Nanocrystals Using Circularly Polarized Light. Nano Letters, 2021, 21, 10315-10324.	4.5	37
4	Tunable Spin-Polarized Edge Currents in Proximitized Transition Metal Dichalcogenides. Physical Review Letters, 2019, 122, 086401.	2.9	36
5	Lateral heterostructures and one-dimensional interfaces in 2D transition metal dichalcogenides. Journal of Physics Condensed Matter, 2019, 31, 213001.	0.7	32
6	Lateral interfaces of transition metal dichalcogenides: A stable tunable one-dimensional physics platform. Physical Review B, 2019, 99, .	1.1	28
7	Thermoelectric transport through Majorana bound states and violation of Wiedemann-Franz law. Physical Review B, 2016, 94, .	1.1	27
8	Chiral Bioinspired Plasmonics: A Paradigm Shift for Optical Activity and Photochemistry. ACS Photonics, 2022, 9, 2219-2236.	3.2	26
9	Chiral Photomelting of DNA-Nanocrystal Assemblies Utilizing Plasmonic Photoheating. Nano Letters, 2021, 21, 7298-7308.	4.5	20
10	Temporal plasmonics: Fano and Rabi regimes in the time domain in metal nanostructures. Nanophotonics, 2020, 9, 3587-3595.	2.9	19
11	Symmetries and hybridization in the indirect interaction between magnetic moments in $\text{MoS}_2$ flakes. Physical Review B, 2016, 94, .		
12	Spin-Seebeck effect and spin polarization in a multiple quantum dot molecule. Physical Review B, 2017, 96, .	1.1	17
13	Noncollinear exchange interaction in transition metal dichalcogenide edges. Physical Review B, 2016, 93, .	1.1	14
14	Long range of indirect exchange interaction on the edges of $\text{MoS}_2$ flakes. Journal of Physics Condensed Matter, 2018, 30, 045801.	0.7	10
15	Tunable spin Seebeck effect in a double Rashba molecule embedded in an Aharonov-Bohm interferometer. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 63, 311-316.	1.3	7
16	Reversible edge spin currents in antiferromagnetically proximitized dichalcogenides. Physical Review B, 2020, 101, .	1.1	7
17	Visible Light-Induced Reactivity of Plasmonic Gold Nanoparticles Incorporated into $\text{TiO}_2$ Matrix towards 2-Chloroethyl Ethyl Sulfide. Crystals, 2021, 11, 659.	1.0	7
18	Characterization of UVB and UVA-340 Lamps and Determination of Their Effects on ER Stress and DNA Damage. Photochemistry and Photobiology, 2022, 98, 1140-1148.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Competing interactions and spin-vector chirality in spin chains. Physical Review B, 2020, 102, .	1.1	2