

Diego Solis-Ibarra

List of Publications by Year in descending order

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37
papers

3,700
citations

331259

21
h-index

315357

38
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42
all docs

42
docs citations

42
times ranked

5670
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical crystallography by serial femtosecond X-ray diffraction. <i>Nature</i> , 2022, 601, 360-365.	13.7	33
2	Shaping and enhancing the photoluminescence of halide perovskite quantum dots with plasmonic lattices. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3704-3711.	2.7	3
3	Reversible and Irreversible Thermochromism in Copper-Based Halide Perovskites. <i>Advanced Optical Materials</i> , 2021, 9, 2100633.	3.6	32
4	Lead-free halide perovskites, beyond solar cells and LEDs. <i>JPhys Energy</i> , 2021, 3, 032014.	2.3	11
5	Chemical Diversity in Lead-Free, Layered Double Perovskites: A Combined Experimental and Computational Approach. <i>Chemistry of Materials</i> , 2020, 32, 424-429.	3.2	52
6	Enhanced Luminescence and Mechanistic Studies on Layered Double-Perovskite Phosphors: Cs ₄ CdI ₄ Mn ₂ Bi ₂ Cl ₁₂ . <i>Chemistry of Materials</i> , 2020, 32, 9307-9315.	3.2	43
7	Efficient Emission in Halide Layered Double Perovskites: The Role of Sb ³⁺ Substitution in Cs ₄ CdI ₄ Mn ₂ Bi ₂ Cl ₁₂ Phosphors. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10362-10367.	2.1	26
8	Influence of Calcium Scaling on Corrosion Behavior of Steel and Aluminum Alloys. <i>ACS Omega</i> , 2020, 5, 17304-17313.	1.6	11
9	The Emergence of Halide Layered Double Perovskites. <i>ACS Energy Letters</i> , 2020, 5, 3591-3608.	8.8	88
10	Chirality control in white-light emitting 2D perovskites. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9602-9607.	2.7	24
11	Up and Coming Chemistry of Materials in Mexico. <i>Chemistry of Materials</i> , 2020, 32, 913-914.	3.2	0
12	Fluorometric detection of iodine by MIL-53(Al)-TDC. <i>Dalton Transactions</i> , 2020, 49, 6572-6577.	1.6	19
13	Two-Dimensional Halide Perovskites in Solar Cells: 2D or not 2D?. <i>ChemSusChem</i> , 2019, 12, 1560-1575.	3.6	195
14	Demonstration of Photovoltaic Action and Enhanced Stability from a Quasi-Two-Dimensional Hybrid Organic-Inorganic Copper Halide Material Incorporating Divalent Organic Groups. <i>ACS Applied Energy Materials</i> , 2019, 2, 2178-2187.	2.5	6
15	Sterically controlled mechanochemistry under hydrostatic pressure. <i>Nature</i> , 2018, 554, 505-510.	13.7	71
16	Synthesis, Characterization, and Reactivity of Hydroxycyclopentadienyl Cobalt Complexes. <i>Organometallics</i> , 2018, 37, 3298-3302.	1.1	1
17	On the True Composition of Mixed-Cation Perovskite Films. <i>ACS Energy Letters</i> , 2018, 3, 2366-2367.	8.8	22
18	Thousand-fold Conductivity Increase in 2D Perovskites by Polydiacetylene Incorporation and Doping. <i>Angewandte Chemie</i> , 2018, 130, 14078-14082.	1.6	17

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19	Thousandfold Conductivity Increase in 2D Perovskites by Polydiacetylene Incorporation and Doping. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13882-13886.	7.2	65
20	Control of the Morphology and Crystallinity of a Pb ₂ Layer for Large-Area Perovskite Films Prepared by Close Space Sublimation. <i>ACS Applied Energy Materials</i> , 2018, 1, 3843-3849.	2.5	13
21	Optical, Electronic, and Magnetic Engineering of $\sqrt{111}$ Layered Halide Perovskites. <i>Chemistry of Materials</i> , 2018, 30, 5315-5321.	3.2	69
22	Confinement of H ₂ O and EtOH to enhance CO ₂ capture in MIL-53(Al)-TDC. <i>Dalton Transactions</i> , 2018, 47, 9459-9465.	1.6	20
23	A Direct Bandgap Copper-Antimony Halide Perovskite. <i>Journal of the American Chemical Society</i> , 2017, 139, 9116-9119.	6.6	233
24	Hybrid metal-organic chalcogenide nanowires with electrically conductive inorganic core through diamondoid-directed assembly. <i>Nature Materials</i> , 2017, 16, 349-355.	13.3	79
25	CO ₂ capture under humid conditions in NH ₂ -MIL-53(Al): the influence of the amine functional group. <i>RSC Advances</i> , 2016, 6, 9978-9983.	1.7	40
26	Post-synthetic halide conversion and selective halogen capture in hybrid perovskites. <i>Chemical Science</i> , 2015, 6, 4054-4059.	3.7	110
27	Trinuclear Pd ₃ O ₂ Intermediate in Aerobic Oxidation Catalysis. <i>Angewandte Chemie</i> , 2014, 126, 5754-5758.	1.6	9
28	Synthesis and Topological Trapping of Cyclic Poly(alkylene phosphates). <i>Macromolecules</i> , 2014, 47, 8224-8230.	2.2	52
29	Trinuclear Pd ₃ O ₂ Intermediate in Aerobic Oxidation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5648-5652.	7.2	37
30	A Layered Hybrid Perovskite Solar Cell Absorber with Enhanced Moisture Stability. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11232-11235.	7.2	1,547
31	Reversible and Irreversible Chemisorption in Nonporous Crystalline Hybrids. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1039-1042.	7.2	52
32	Chemoselective Oxidation of Polyols with Chiral Palladium Catalysts. <i>Organometallics</i> , 2013, 32, 2257-2266.	1.1	30
33	Heterometallic Alumo- and Gallodisilicates with M(O-Si-O) ₂ M ²⁺ and [M(O-Si-O) ₂] ₂ M ²⁺ Cores (M = Al, Ga; M ²⁺ = Ti, Zr, Hf). <i>Inorganic Chemistry</i> , 2013, 52, 6934-6943.		14
34	Facile Synthesis of Zero-, One-, and Two-Dimensional Vanadyl Pyrophosphates. <i>Inorganic Chemistry</i> , 2011, 50, 9980-9984.	1.9	10
35	Molecular Gallosilicates and Their Group 4 Multimetallic Derivatives. <i>Inorganic Chemistry</i> , 2011, 50, 8907-8917.	1.9	17
36	Soluble Alumotitanosilicates and Their Zirconium and Hafnium Analogues. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4795-4799.	1.0	9

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37	β -Diketiminato Gallium Amides: Useful Synthons in Gallium Chemistry. European Journal of Inorganic Chemistry, 2009, 2009, 4564-4571.	1.0	13