Amine Slassi

List of Publications by Year
in descending order

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35 papers	665 citations	516710 16 h-index	580821 25 g-index
35 all docs	35 docs citations	35 times ranked	845 citing authors

#	Article	IF	Citations
1	Electronic band structure and visible-light photocatalytic activity of Bi₂WO₆: elucidating the effect of lutetium doping. RSC Advances, 2016, 6, 101105-101114.	3.6	57
2	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. Journal of Physical Chemistry Letters, 2019, 10, 540-547.	4.6	52
3	Carbon microspheres derived from walnut shell: Rapid and remarkable uptake of heavy metal ions, molecular computational study and surface modeling. Chemosphere, 2019, 231, 140-150.	8.2	42
4	Tuning the Electronic Bandgap of Graphdiyne by Hâ€Substitution to Promote Interfacial Charge Carrier Separation for Enhanced Photocatalytic Hydrogen Production. Advanced Functional Materials, 2021, 31, 2100994.	14.9	41
5	The role of selenium vacancies in the enhancement of electrocatalytic activity of CoNiSe2 for the oxygen evolution reaction. Journal of Power Sources, 2021, 514, 230596.	7.8	39
6	On the transparent conducting oxide Al doped ZnO: First Principles and Boltzmann equations study. Journal of Alloys and Compounds, 2014, 605, 118-123.	5.5	35
7	Photo/Electrocatalytic Properties of Nanocrystalline ZnO and Laâ€“Doped ZnO: Combined DFT Fundamental Semiconducting Properties and Experimental Study. ChemistrySelect, 2018, 3, 7778-7791.	1.5	34
8	Collective Dipoleâ€Dominated Doping of Monolayer MoS₂: Orientation and Magnitude Control via the Supramolecular Approach. Advanced Functional Materials, 2020, 30, 2002846.	14.9	27
9	First-principles investigation of the electronic and optical properties of Al-doped FeS2 pyrite for photovoltaic applications. Optical and Quantum Electronics, 2016, 48, 1.	3.3	25
10	Ab-initio study of magnetism behavior in TiO2 semiconductor with structural defects. Journal of Magnetism and Magnetic Materials, 2016, 406, 212-216.	2.3	24
11	Magnetocaloric effect in Sr2CrIrO6 double perovskite: Monte Carlo simulation. Journal of Physics and Chemistry of Solids, 2017, 104, 32-35.	4.0	24
12	Interlayer Bonding in Two-Dimensional Materials: The Special Case of SnP₃ and GeP₃. Journal of Physical Chemistry Letters, 2020, 11, 4503-4510.	4.6	24
13	Molecular Functionalization of Chemically Active Defects in WSe 2 for Enhanced Optoâ€Electronics. Advanced Functional Materials, 2020, 30, 2005045.	14.9	22
14	Ab initio study of a cubic perovskite: Structural, electronic, optical and electrical properties of native, lanthanum- and antimony-doped barium tin oxide. Materials Science in Semiconductor Processing, 2015, 32, 100-106.	4.0	21
15	Tuning the Optical and Electrical Properties of Fewâ€Layer Black Phosphorus via Physisorption of Small Solvent Molecules. Small, 2019, 15, e1903432.	10.0	21
16	Ab initio study on the electronic, optical and electrical properties of Ti-, Sn- and Zr-doped ZnO. Solid State Communications, 2015, 218, 45-48.	1.9	19
17	Low field magnetocaloric effect in the double perovskite Sr 2 CrMoO 6 : Monte Carlo simulation. Computational Condensed Matter, 2017, 11, 55-59.	2.1	18
18	Fabrication and characterization of novel transparent conducting oxide N-CNT doped ZnO for photovoltaic applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	16

#	Article	IF	Citations
19	Ohmic/Schottky barrier engineering in metal/SnP3 heterostructures. Journal of Alloys and Compounds, 2020, 831, 154800.	5.5	14
20	First-Principles Study of Magnetic and Electronic Properties of Fluorine-Doped Sn 0 . 9 8 Mn 0 . 0 2 O 2 System. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2979-2985.	1.8	12
21	Magnetism, hysteresis cycle, and Ir-substitution doping of Sr 2 CrIrO 6 double perovskite: A Monte Carlo simulation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 4075-4082.	2.1	12
22	Ab initio study on the structural, electronic, optical and electrical properties of Mo-, Nb- and Ta-doped rutile SnO2. Optical and Quantum Electronics, 2016, 48, 1.	3.3	12
23	Theoretical characterization of strain and interfacial electronic effects in donor-acceptor bilayers of 2D transition metal dichalcogenides. 2D Materials, 2019, 6, 015025.	4.4	11
24	First-principles and Boltzmann equation studies of the Cl-doped ZnO transparent conducting oxide. Optik, 2015, 126, 4751-4756.	2.9	10
25	Physical properties of Mo-doped ZnO by first principles and Boltzmann equations. Optical and Quantum Electronics, 2015, 47, 2465-2477.	3.3	8
26	The Magnetism Behavior of Fe0.93V0.02Cr0.05S2 Pyrite Within Ab Initio Calculation. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3645-3649.	1.8	7
27	The effect of nitrogen doping on magnetic and electronic properties of Fe0.98TM0.02S2 pyrite (TM=V) Tj ETQq1 1 0.784314 rgBT /Over	1.9	6
28	New potential dopants for BaSnO3-based transparent conducting oxides. Optical and Quantum Electronics, 2016, 48, 1.	3.3	5
29	Theoretical characterization of the electronic properties of heterogeneous vertical stacks of 2D metal dichalcogenides containing one doped layer. Physical Chemistry Chemical Physics, 2020, 22, 14088-14098.	2.8	5
30	Band offset engineering at C₂N/MSe₂ (M = Mo, W) interfaces. RSC Advances, 2022, 12, 12068-12077.	3.6	5
31	Electronic structure and optical properties of Cu3PX4(X=S and Se): Solar cell made of abundant materials. Materials Science in Semiconductor Processing, 2015, 39, 217-222.	4.0	4
32	Enhancement of oxygen evolution reaction by X-doped (XÂ= Se, S, P) holey graphitic carbon shell encapsulating NiCoFe nanoparticles: a combined experimental and theoretical study. Materials Today Chemistry, 2022, 23, 100706.	3.5	4
33	Black Phosphorus: Tuning the Optical and Electrical Properties of Fewâ€Layer Black Phosphorus via Physisorption of Small Solvent Molecules (Small 47/2019). Small, 2019, 15, 1970252.	10.0	3
34	Photocatalysis: Tuning the Electronic Bandgap of Graphdiyne by Hâ€Substitution to Promote Interfacial Charge Carrier Separation for Enhanced Photocatalytic Hydrogen Production (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	14.9	3
35	A supramolecular non centrosymmetric 2,6-diaminopyridinium perchlorate salt: Crystal structure and optoelectronic DFT study. Journal of Molecular Structure, 2022, 1267, 133561.	3.6	3