

Jean-Marc Jancu

List of Publications by Year in descending order

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18
papers

2,630
citations

840776

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940533

16
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docs citations

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times ranked

3841
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance of Spin-Orbit Coupling in Hybrid Organic/Inorganic Perovskites for Photovoltaic Applications. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2999-3005.	4.6	1,021
2	Empirical tight-binding calculation for cubic semiconductors: General method and material parameters. <i>Physical Review B</i> , 1998, 57, 6493-6507.	3.2	658
3	Anharmonicity and Disorder in the Black Phases of Cesium Lead Iodide Used for Stable Inorganic Perovskite Solar Cells. <i>ACS Nano</i> , 2018, 12, 3477-3486.	14.6	546
4	DFT and k - p modelling of the phase transitions of lead and tin halide perovskites for photovoltaic cells. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 31-35.	2.4	177
5	Electronic properties of 2D and 3D hybrid organic/inorganic perovskites for optoelectronic and photovoltaic applications. <i>Optical and Quantum Electronics</i> , 2014, 46, 1225-1232.	3.3	60
6	Symmetry-Based Tight Binding Modeling of Halide Perovskite Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3833-3840.	4.6	57
7	Density Functional Theory Simulations of Semiconductors for Photovoltaic Applications: Hybrid Organic-Inorganic Perovskites and III/V Heterostructures. <i>International Journal of Photoenergy</i> , 2014, 1-11.	2.5	23
8	Uniaxial-stress determination of the symmetry of excitons associated with the miniband dispersion in (Ga,In)As-GaAs superlattices. <i>Physical Review B</i> , 1992, 46, 4764-4768.	3.2	18
9	Equations of state and a tight-binding model for strained layers: Application to a ZnSe-GaAs epilayer. <i>Physical Review B</i> , 1993, 48, 2452-2459.	3.2	17
10	Boundary conditions in multiband models: A tight-binding test. <i>Physical Review B</i> , 1999, 59, 9691-9694.	3.2	15
11	[001] strain-induced band mixing in zinc-blende semiconductors: Intravalence versus upper-conduction valence band effects. <i>Physical Review B</i> , 1994, 50, 16956-16963.	3.2	14
12	Theoretical insights into hybrid perovskites for photovoltaic applications. , 2016, , .		6
13	Normal-incidence intersubband absorption in AlGaSb quantum wells. <i>Journal of Applied Physics</i> , 2002, 92, 641-643.	2.5	5
14	Theoretical and experimental studies of (In,Ga)As/GaP quantum dots. <i>Nanoscale Research Letters</i> , 2012, 7, 643.	5.7	4
15	Assessment of GaPSb/Si tandem material association properties for photoelectrochemical cells. <i>Solar Energy Materials and Solar Cells</i> , 2021, 221, 110888.	6.2	4
16	Evidence of electronic confinement in pseudomorphic Si/GaAs superlattices. <i>Physical Review B</i> , 1998, 57, R15100-R15103.	3.2	3
17	Large intrinsic birefringence in zinc-blende based artificial semiconductors. <i>Comptes Rendus Physique</i> , 2007, 8, 1174-1183.	0.9	1
18	Anharmonicity and Disorder in the Black Phases of CsPbI ₃ used for Stable Inorganic Perovskite Solar Cells. , 2018, , .		1