Mayeul d'Avezac

List of Publications by Year
in descending order

14	776	759233 12	1058476 14
papers	citations	h-index	g-index

14	14	14	1394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Doping Rules and Doping Prototypes in A₂BO₄ Spinel Oxides. Advanced Functional Materials, 2011, 21, 4493-4501.	14.9	176
2	Parallel kinetic Monte Carlo simulation framework incorporating accurate models of adsorbate lateral interactions. Journal of Chemical Physics, 2013, 139, 224706.	3.0	122
3	Genetic-Algorithm Discovery of a Direct-Gap and Optically Allowed Superstructure from Indirect-Gap Si and Ge Semiconductors. Physical Review Letters, 2012, 108, 027401.	7.8	103
4	Universal Electrostatic Origin of Cation Ordering in A₂BO₄ Spinel Oxides. Journal of the American Chemical Society, 2011, 133, 11649-11654.	13.7	71
5	Liâ€Doped Cr₂MnO₄: A New pâ€Type Transparent Conducting Oxide by Computational Materials Design. Advanced Functional Materials, 2013, 23, 5267-5276.	14.9	57
6	Genomic Design of Strong Direct-Gap Optical Transition in Si/Ge Core/Multishell Nanowires. Nano Letters, 2012, 12, 984-991.	9.1	54
7	Simple Point-Ion Electrostatic Model Explains the Cation Distribution in Spinel Oxides. Physical Review Letters, 2010, 105, 075501.	7.8	48
8	Abnormal morphology biases hematocrit distribution in tumor vasculature and contributes to heterogeneity in tissue oxygenation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27811-27819.	7.1	40
9	Robust sparse image reconstruction of radio interferometric observations with purify. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1038-1058.	4.4	39
10	Finding the atomic configuration with a required physical property in multi-atom structures. Journal of Physics Condensed Matter, 2007, 19, 402201.	1.8	17
11	Chemical Descriptors of Yttria-Stabilized Zirconia at Low Defect Concentration: An ab Initio Study. Journal of Physical Chemistry A, 2015, 119, 6412-6420.	2.5	16
12	The atomistic structure of yttria stabilised zirconia at 6.7 mol%: an ab initio study. Physical Chemistry Chemical Physics, 2016, 18, 31277-31285.	2.8	15
13	Learning to Predict Physical Properties using Sums of Separable Functions. SIAM Journal of Scientific Computing, 2011, 33, 3381-3401.	2.8	10
14	A Caching Scheme To Accelerate Kinetic Monte Carlo Simulations of Catalytic Reactions. Journal of Physical Chemistry A, 2020, 124, 7140-7154.	2.5	8