

# Peter Mohn

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11605632/publications.pdf>

Version: 2024-02-01

16  
papers

411  
citations

1040056

9  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

688  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of material transfer at contacting surfaces: the effect of adsorbates on Al/TiN and Cu/diamond interfaces from first-principles calculations. Journal of Physics Condensed Matter, 2018, 30, 105001.	1.8	7
2	First-principle based simulations of longitudinal spin-fluctuations in metals and integration in classical space with variable spin amplitude. AIP Advances, 2018, 8, .	1.3	4
3	Correlated excited states in the narrow band gap semiconductor FeSi and antiferromagnetic screening of local spin moments. Physical Review B, 2018, 98, .	3.2	9
4	Competing magnetic interactions in a spin- $\frac{1}{2}$ square lattice: Hidden order in $\text{Sr}_2\text{VO}_4$ . Physical Review B, 2017, 96, .	3.2	8
5	Microscopic origin of ferro-antiferromagnetic transition upon non-magnetic substitution in $\text{Ru}_2(\text{Mn}_{1-x}\text{V}_x)\text{Ge}$ full Heusler alloys. Journal of Alloys and Compounds, 2017, 692, 178-182.	5.5	5
6	Magnetic ordering and exchange interactions in structural modifications of $\text{Mn}_3\text{Ga}$ alloys: Interplay of frustration, atomic order, and off-stoichiometry. Physical Review B, 2016, 93, .	3.2	35
7	Density Functional Investigation of the Adsorption of Isooctane, Ethanol, and Acetic Acid on a Water-Covered Fe(100) Surface. Journal of Physical Chemistry C, 2014, 118, 21428-21437.	3.1	17
8	Effects of van der Waals Interactions in the Adsorption of Isooctane and Ethanol on Fe(100) Surfaces. Journal of Physical Chemistry C, 2014, 118, 17608-17615.	3.1	61
9	Quantum Monte Carlo simulations for stacked spin-ladder systems containing low concentrations of nonmagnetic impurities: Application to the low-temperature broadening of NMR spectra in $\text{SrCu}_2\text{O}_3$ . Physical Review B, 2013, 88, .	3.2	2
10	Layered antiferromagnetism with high Neel temperature in the intermetallic compound $\text{Mn}_2\text{Au}$ . Applied Physics Letters, 2008, 93, .	3.3	39
11	Magnetic state, magnetovolume effects, and atomic order in $\text{Fe}_{65}\text{Ni}_{35}$ Invar alloy: A first principles study. Physical Review B, 2007, 76, .	3.2	71
12	Electronic structure analysis of the pressure induced metamagnetic transition and magnetovolume anomaly in $\text{Fe}_3\text{C}$ cementite. Journal of Physics Condensed Matter, 2005, 17, 7345-7352.	1.8	11
13	First-principles investigation of ferromagnetism and Invar effect in fcc Fe-Cu alloys. Physical Review B, 2005, 71, .	3.2	22
14	Critical behavior of disordered fcc $\text{Fe}_{70}\text{Pt}_{30}$ alloy under high pressure. Physical Review B, 2003, 68, .	3.2	11
15	A century of zero expansion. Nature, 1999, 400, 18-19.	27.8	108
16	Materials and Process Design. , 0, , 861-953.		0