

# Heinz Haas

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

508  
citations

840776

11  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

250  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear quadrupole interaction studies by perturbed angular correlations. Journal of Chemical Physics, 1973, 58, 3339-3355.	3.0	215
2	Calculation of electric hyperfine interaction parameters in solids. Hyperfine Interactions, 1996, 97-98, 1-10.	0.5	51
3	In-Beam Measurements of the Nuclear Quadrupole Interaction in Cadmium Metal. Physical Review Letters, 1972, 29, 1371-1374.	7.8	45
4	Quadrupole moments of the halogen nuclei. Physical Review B, 2000, 61, 13588-13592.	3.2	36
5	Is the $\langle S^2 \rangle$ State of $S_{43}$ Spherical?. Physical Review Letters, 2012, 108, 162501.	7.8	26
6	Quadrupole interaction of $^{107}\text{Cd}$ $2/11^+$ in cadmium metal. Hyperfine Interactions, 1976, 2, 230-231.	0.5	21
7	Quadrupole moments of Cd and Zn nuclei: When solid-state, molecular, atomic, and nuclear theory meet. Europhysics Letters, 2017, 117, 62001.	2.0	21
8	The quadrupole moments of Zn and Cd isotopes – an update. Hyperfine Interactions, 2010, 198, 133-137.	0.5	20
9	Free Molecule Studies by Perturbed $\langle I^3 \rangle$ Angular Correlation: A New Path to Accurate Nuclear Quadrupole Moments. Physical Review Letters, 2021, 126, 103001.	7.8	15
10	Quadrupole Interaction in Metals: Nuclear Methods. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1986, 41, 78-90.	1.5	14
11	The quadrupole moments of Cd and Zn isotopes - an apology. Hyperfine Interactions, 2016, 237, 1.	0.5	12
12	Pressure dependence of the electric-field gradient in semimetallic arsenic and antimony: NQR measurements and full-potential linearized augmented-plane-wave calculations. Physical Review B, 1998, 58, 13614-13618.	3.2	9
13	Nuclear quadrupole interaction in metals: Experiments, calculations, models. , 2000, 129, 493-509.		7
14	EFG calculations for $\text{Cu}^{2+}$ compounds. Hyperfine Interactions, 2007, 176, 9-13.	0.5	6
15	Quadrupole interaction in the solid halogens – a new (not final) look. Hyperfine Interactions, 2010, 197, 17-22.	0.5	4
16	Surface physics with radioactive ion beams. Hyperfine Interactions, 1994, 84, 69-81.	0.5	3
17	The EFG at sp-impurities in Zn and Cd – a new (final?) look. Hyperfine Interactions, 2010, 197, 11-15.	0.5	2
18	Calculation of electric field gradients for $\text{CdI}_2$ in the gas phase using BOMD simulations. Chemical Physics Letters, 2022, 801, 139704.	2.6	1

#	ARTICLE	IF	CITATIONS
19	Half-century old Berkeley idea now finding missing links of nuclear quadrupole moments. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 042802.	2.1	0