

Martin Kretzschmar

List of Publications by Year in descending order

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27
papers

488
citations

840776

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677142

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g-index

28
all docs

28
docs citations

28
times ranked

276
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ramsey method in high-precision mass spectrometry with Penning traps: Theoretical foundations. International Journal of Mass Spectrometry, 2007, 264, 122-145.	1.5	147
2	Single particle motion in a Penning trap: description in the classical canonical formalism. Physica Scripta, 1992, 46, 544-554.	2.5	56
3	Aharonov-Bohm scattering of a wave packet of finite extension. European Physical Journal A, 1965, 185, 84-96.	2.5	47
4	Gruppentheoretische Untersuchungen zum Schalenmodell. European Physical Journal A, 1960, 158, 284-303.	2.5	33
5	Doppler spectroscopy on relativistic particle beams in the light of a test theory of special relativity. Zeitschrift Für Physik A, 1992, 342, 463-469.	0.9	29
6	Gruppentheoretische Untersuchungen zum Schalenmodell. European Physical Journal A, 1960, 157, 433-456.	2.5	24
7	Must quantal wave functions be single-valued?. European Physical Journal A, 1965, 185, 73-83.	2.5	23
8	A Theory of Anharmonic Perturbations in a Penning Trap. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 965-978.	1.5	22
9	Theory of the elliptical Penning trap. International Journal of Mass Spectrometry, 2008, 275, 21-33.	1.5	16
10	On the Aharonov-Bohm effect for bound states. European Physical Journal A, 1965, 185, 97-110.	2.5	14
11	The elliptical Penning trap: Experimental investigations and simulations. International Journal of Mass Spectrometry, 2008, 275, 34-44.	1.5	14
12	A quantum mechanical model of Rabi oscillations between two interacting harmonic oscillator modes and the interconversion of modes in a Penning trap. , 1999, , .		11
13	Excitation of particle motions in a Penning trap: description in the classical canonical formalism. Physica Scripta, 1992, 46, 555-559.	2.5	8
14	Theory of simultaneous dipole and quadrupole excitation of the ion motion in a Penning trap. International Journal of Mass Spectrometry, 2012, 325-327, 30-44.	1.5	8
15	On the phase dependence of the interconversion of the motional modes in a Penning trap by quadrupolar excitation. International Journal of Mass Spectrometry, 2012, 309, 30-38.	1.5	8
16	Zur Theorie der Wignerschen Supermultipletts. European Physical Journal A, 1960, 157, 558-567.	2.5	6
17	Theoretical investigations of different excitation modes for Penning trap mass spectrometry. International Journal of Mass Spectrometry, 2013, 349-350, 227-239.	1.5	5
18	Über die multiple Mesonenproduktion bei Nukleon-Nukleon-Stößen und bei der Nukleon-Antinukleon-Vernichtung. European Physical Journal A, 1958, 150, 247-263.	2.5	4

#	ARTICLE	IF	CITATIONS
19	On modified Regge representations of the Khuri type. European Physical Journal A, 1967, 201, 33-51.	2.5	4
20	Ideal Gas Approximation for an Ion Cloud in a Penning Trap. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 979-985.	1.5	4
21	Octupolar excitation of ion motion in a Penning trap: A theoretical study. International Journal of Mass Spectrometry, 2014, 357, 1-21.	1.5	3
22	The interconversion of the radial motional modes of an ion in a Penning trap mass spectrometer by 4n-polar external radio frequency fields (n= 1,2,3,4). Annalen Der Physik, 2013, 525, 688-706.	2.4	1
23	Vereinfachte Berechnung von Stripping-Prozessen. European Physical Journal A, 1956, 144, 168-176.	2.5	0
24	Statistische Gewichte für ein System vieler Teilchen mit beliebigen Spins. European Physical Journal A, 1960, 157, 554-557.	2.5	0
25	Model calculations for $l=0$ and $l=2$ S-wave pion-pion scattering. Zeitschrift Für Physik A, 1969, 223, 397-414.	0.9	0
26	A note on $n \rightarrow 0$ Stark transitions in hydrogenlike atoms. Annalen Der Physik, 1992, 504, 172-180.	2.4	0
27	Non-Strange Baryon Resonances in the Isgur-Karl Model Including the N=3 Oscillator Shell. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1994, 49, 733-745.	1.5	0