Flambaum

List of Publications by Year
in descending order

21 papers	1,152 citations	623574 14 h-index	713332 21 g-index
21 all docs	21 docs citations	21 times ranked	517 citing authors

#	Article	IF	Citations
1	Combination of the many-body perturbation theory with the configuration-interaction method. Physical Review A, 1996, 54, 3948-3959.	1.0	287
2	Structure of compound states in the chaotic spectrum of the Ce atom: Localization properties, matrix elements, and enhancement of weak perturbations. Physical Review A, 1994, 50, 267-296.	1.0	220
3	Calculation of energy levels, E1 transition amplitudes, and parity violation in francium. Physical Review A, 1995, 51, 3454-3461.	1.0	101
4	Towards a statistical theory of finite Fermi systems and compound states: Random two-body interaction approach. Physical Review E, 1996, 54, 2136-2139.	0.8	79
5	Correlations within eigenvectors and transition amplitudes in the two-body random interaction model. Physical Review E, 1996, 53, 5729-5741.	0.8	78
6	Bound states of positrons and neutral atoms. Physical Review A, 1995, 52, 4541-4546.	1.0	64
7	Matrix elements between nuclear compound states and dynamical enhancement of the weak interaction. Physical Review Letters, 1993, 70, 4051-4054.	2.9	56
8	Narrow chaotic compound autoionizing states in atomic spectra. Physical Review A, 1996, 54, 2066-2079.	1.0	44
9	Fine structure of negative ions of alkaline-earth-metal atoms. Physical Review A, 1991, 44, 2823-2827.	1.0	42
10	Regular mechanism of parity and time invariance nonconserving effects enhancement in neutron capture and scattering near p-wave compound resonances. Physical Review C, 1992, 45, 437-447.	1.1	27
11	Many-body perturbation-theory calculations in atoms with open shells. Physical Review A, 1991, 44, 2828-2831.	1.0	25
12	Renormalization of the P- and T-odd nuclear potentials by the strong interaction and enhancement of P-odd effective field. Physical Review C, 1994, 49, 1827-1831.	1.1	25
13	Band structure of the Hamiltonian matrix of a real ''chaotic'' system: The Ce atom. Physical Review E, 1995, 52, 5667-5670.	0.8	19
14	Induced parity nonconserving interaction and enhancement of two-nucleon parity nonconserving forces. Physical Review C, 1995, 51, 1521-1527.	1.1	19
15	Resonance enhancement of relativistic effects for the scattering of very slow electrons by heavy atoms. Physical Review A, 1991, 44, 4224-4227.	1.0	14
16	Calculation of the weak interactions in dysprosium. Physical Review A, 1994, 50, 3812-3817.	1.0	13
17	Random-sign observables nonvanishing upon averaging: Enhancement of weak perturbations and parity nonconservation in compound nuclei. Physical Review C, 1994, 50, 3122-3134.	1.1	11
18	Possibility of observing parity nonconservation by measuring the nuclear anapole moment using the NMR frequency shift in a laser beam. Physical Review A, 1993, 47, R751-R754.	1.0	10

#	Article	IF	Citations
19	Effects of T- and P-odd weak nucleon interaction in nuclei: Renormalizations due to residual strong interaction, matrix elements between compound states and their correlations with P-violating matrix elements. Physical Review C, 1995, 51, 2914-2922.	1.1	8
20	Long-range parity-nonconserving interaction. Physical Review A, 1992, 45, 6174-6179.	1.0	5
21	Magnetic interaction between relativistic atomic electrons and parity nonconserving nuclear moments. Physical Review C, 1993, 48, 1329-1334.	1.1	5