A V Kats

List of Publications by Year
in descending order

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23	402	1040056	752698
papers	citations	9	20
		h-index	g-index

25	25	25	354
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electromagnetic grazing anomalies. Energy flux extrema. Low Temperature Physics, 2019, 45, 524-530.	0.6	0
2	Surface plasmon-polariton resonance at diffraction of THz radiation on semiconductor gratings. Low Temperature Physics, 2016, 42, 698-702.	0.6	4
3	Quasi-resonant enhancement of a grazing diffracted wave and deep suppression of specular reflection on shallow metal gratings in terahertz. Applied Physics Letters, 2015, 106, .	3.3	7
4	Merger driven explosive evolution of distant galaxies (minor mergers). Astrophysical Bulletin, 2013, 68, 273-284.	1.3	1
5	Design of specific gratings operating under surface plasmon-polariton resonance. Optics Letters, 2011, 36, 1419.	3.3	2
6	High quality resonances for terahertz radiation diffraction at periodically corrugated semiconductor interfaces. Applied Physics B: Lasers and Optics, 2011, 104, 925-930.	2.2	2
7	Resonance effects due to the excitation of surface Josephson plasma waves in layered superconductors. Physical Review B, 2009, 79, .	3.2	16
8	Extraordinary optical transmission through hole arrays in optically thin metal films. Optics Letters, 2009, 34, 4.	3.3	61
9	Resonantly suppressed transmission and anomalously enhanced light absorption in periodically modulated ultrathin metal films. Physical Review B, 2009, 79, .	3.2	70
10	On resonance diffraction of high frequency radiation at periodically corrugated semiconductor interfaces. Applied Physics Letters, 2007, 91, 113102.	3.3	3
11	Left-Handed Interfaces for Electromagnetic Surface Waves. Physical Review Letters, 2007, 98, 073901.	7.8	67
12	Energy redistribution and polarization transformation in conical mount diffraction under resonance excitation of surface waves. Physical Review B, 2007, 76, .	3.2	11
13	Excitation of surface plasmon-polaritons in metal films with double periodic modulation: Anomalous optical effects. Physical Review B, 2007, 76, .	3.2	16
14	Polarization properties of a periodically-modulated metal film in regions of anomalous optical transparency. Physical Review B, 2005, 72, .	3.2	29
15	Nonzeroth-order anomalous optical transparency in modulated metal films owing to excitation of surface plasmon polaritons: An analytic approach. JETP Letters, 2004, 79, 625-631.	1.4	8
16	Canonical description of ideal magnetohydrodynamic flows and integrals of motion. Physical Review E, 2004, 69, 046303.	2.1	7
17	Variational principle in canonical variables, Weber transformation, and complete set of the local integrals of motion for dissipation-free magnetohydrodynamics. JETP Letters, 2003, 77, 657-661.	1.4	24
18	Analytical theory of resonance diffraction and transformation of light polarization. Physical Review B, 2002, 65, .	3.2	38

#	Article	IF	Citations
19	Hamiltonian description of the motion of discontinuity surfaces. Low Temperature Physics, 1997, 23, 89-95.	0.6	7
20	Galaxy mass spectrum explosive evolution caused by coalescence. Astronomical and Astrophysical Transactions, 1992, 3, 53-56.	0.2	6
21	Interaction of galaxies and activity problem. Astronomical and Astrophysical Transactions, 1992, 2, 183-196.	0.2	4
22	Toward a theory of diffraction by the boundary of a highly reflective medium with periodically modulated characteristics. Radiophysics and Quantum Electronics, 1992, 35, 163-169.	0.5	10
23	The relation between the velocity and mass distributions. The role of collisionless relaxation processes. Journal of Statistical Physics, 1985, 38, 217-229.	1.2	8