

Sergio Rodriguez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

1,115
citations

20
h-index

32
g-index

42
ext. papers

1,133
ext. citations

3.8
avg, IF

3.28
L-index

#	Paper	IF	Citations
41	Near-infrared transitions in iron-based diluted magnetic semiconductors: Effect of strong electron-phonon coupling. <i>Physical Review B</i> , 1994 , 49, 2408-2417	3.3	13
40	Zeeman effect of the energy levels of Fe ²⁺ in diluted magnetic semiconductors. <i>Physical Review B</i> , 1993 , 47, 1228-1236	3.3	7
39	Van Vleck paramagnetism of chromium- and iron-doped II-VI semiconductors. <i>Physical Review B</i> , 1993 , 48, 14127-14134	3.3	12
38	Anisotropy of the magnetization of isolated Fe ²⁺ ions in II-VI compounds. <i>Solid State Communications</i> , 1992 , 84, 635-637	1.6	3
37	Magnetic Anisotropy of Cubic Iron-Based Diluted Magnetic Semiconductors. <i>Physica Scripta</i> , 1991 , T39, 131-134	2.6	4
36	Anisotropy of the magnetization of Cd _{1-x} Fe _x Te. <i>Physical Review B</i> , 1991 , 44, 399-402	3.3	7
35	Magnetic anisotropy of cubic iron-based diluted magnetic semiconductors. <i>Physical Review B</i> , 1991 , 43, 3443-3449	3.3	25
34	Magnetic properties of iron-based diluted magnetic semiconductors. <i>Solid State Communications</i> , 1990 , 75, 21-24	1.6	13
33	Piezospectroscopy of Raman lines exhibiting linear wave-vector dependence: Quartz. <i>Physical Review B</i> , 1977 , 15, 5869-5876	3.3	15
32	Resonant interaction of acceptor states with optical phonons in silicon. <i>Physical Review B</i> , 1976 , 14, 2417-2421	3.3	32
31	Anomalous surface resistance of superconductors at finite temperature. <i>Journal of Applied Physics</i> , 1976 , 47, 3651-3655	2.5	2
30	Stress-induced mixing of the spin-orbit-split acceptor states of silicon. <i>Physical Review B</i> , 1975 , 12, 5780-5789	3.3	23
29	Residual surface resistance of superconductors at microwave frequencies. <i>Applied Physics Letters</i> , 1974 , 24, 338-340	3.4	9
28	Piezospectroscopic Study of the Raman Spectrum of Quartz. <i>Physical Review B</i> , 1973 , 8, 706-717	3.3	48
27	High frequency dielectric response of dipolar liquids. <i>Journal of Chemical Physics</i> , 1973 , 59, 5992-6008	3.9	76
26	Spectroscopic Study of the Symmetries and Deformation-Potential Constants of Singly Ionized Zinc in Germanium. <i>Physical Review B</i> , 1973 , 7, 5285-5298	3.3	24
25	Group-Theoretical Study of Double Acceptors in Semiconductors under Uniaxial Stress. <i>Physical Review B</i> , 1973 , 8, 1556-1570	3.3	20

24	Spectroscopic Study of the Symmetries and Deformation-Potential Constants of Singly Ionized Zinc in Germanium. Theory. <i>Physical Review B</i> , 1972 , 5, 2219-2233	3-3	71
23	Group-Theoretical Study of the Zeeman Effect of Acceptors in Silicon and Germanium. <i>Physical Review B</i> , 1972 , 6, 3836-3856	3-3	77
22	Linear Response Theory for a Degenerate Electron Gas in a Strong Magnetic Field. <i>Physical Review</i> , 1969 , 177, 1019-1036		83
21	Effects of Resonant Phonon Interactions on Shapes of Impurity Absorption Lines. <i>Physical Review</i> , 1969 , 178, 1252-1263		28
20	Attenuation of Transverse Ultrasound in Copper. <i>Physical Review</i> , 1967 , 157, 500-510		9
19	Collective Excitations of Dipolar Systems. <i>Physical Review</i> , 1967 , 161, 513-525		14
18	Helicon Propagation in Metals near the Cyclotron Edge. <i>Physical Review</i> , 1966 , 141, 431-436		51
17	Acoustic Kjeldaa Edge in Potassium. <i>Physical Review</i> , 1966 , 148, 632-636		8
16	Temperature Dependence of the Electrical Resistivity in n-Type GaSb. <i>Physical Review</i> , 1965 , 137, A663-A666		16
15	Propagation of Transverse Acoustic Waves in a Spin-Density-Wave Metal. <i>Physical Review Letters</i> , 1965 , 14, 981-983	7.4	10
14	Determination of the Cyclotron Effective Mass for Nonextremal Orbits in Metals. <i>Physical Review</i> , 1965 , 137, A1400-A1403		1
13	Ionized Impurity Scattering in Degenerate Many-Valley Semiconductors. <i>Physical Review</i> , 1964 , 135, A779-A784		31
12	Helicon-Phonon Interaction in Metals. <i>Physical Review</i> , 1964 , 133, A1589-A1594		53
11	Giant Quantum Oscillations of the Attenuation of Transverse Acoustic Waves in a Longitudinal Magnetic Field in Metals. <i>Physical Review Letters</i> , 1964 , 12, 104-106	7.4	16
10	Influence of the Spin of the Electron on the Quantum Magnetoacoustic Effect in Metals. <i>Physical Review</i> , 1963 , 130, 929-931		5
9	Modification of the Velocity of Sound in Metals by an Applied Magnetic Field. <i>Physical Review</i> , 1963 , 130, 1778-1783		61
8	Oscillations of the Velocity of Sound in Metals in a Magnetic Field. <i>Physical Review</i> , 1963 , 132, 535-541		21
7	Helicon-Phonon Interaction in Metals. <i>Physical Review Letters</i> , 1963 , 11, 552-554	7.4	28

6	Quantum Effects in Ultrasonic Attenuation in Metals in a Magnetic Field. <i>Physical Review</i> , 1962 , 128, 2494-2496	19
5	Magnetic-Field Dependence of the Velocity of Sound in Metals. <i>Physical Review Letters</i> , 1962 , 9, 145-147.4	21
4	Electrodynamic Properties of a Quantum Plasma in a Uniform Magnetic Field. <i>Physical Review</i> , 1962 , 128, 2487-2493	105
3	Theory of Cyclotron Resonance in Metals. <i>Physical Review</i> , 1958 , 112, 1616-1620	25
2	Magnetic Field Dependence of Ultrasonic Attenuation in Metals at Low Temperatures. <i>Physical Review</i> , 1958 , 112, 80-89	29
1	Helicon Propagation in Metals Near the Cyclotron Edge80-90	