

Sergio Rodriguez

List of Publications by Year in descending order

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40
papers

1,151
citations

361413
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377865
34
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42
all docs

42
docs citations

42
times ranked

236
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-infrared transitions in iron-based diluted magnetic semiconductors: Effect of strong electron-phonon coupling. Physical Review B, 1994, 49, 2408-2417.	3.2	13
2	Zeeman effect of the energy levels of Fe ²⁺ in diluted magnetic semiconductors. Physical Review B, 1993, 47, 1228-1236.	3.2	7
3	Van Vleck paramagnetism of chromium- and iron-doped II-VI semiconductors. Physical Review B, 1993, 48, 14127-14134.	3.2	12
4	Anisotropy of the magnetization of isolated Fe ²⁺ ions in II-VI compounds. Solid State Communications, 1992, 84, 635-637.	1.9	3
5	Magnetic anisotropy of cubic iron-based diluted magnetic semiconductors. Physical Review B, 1991, 43, 3443-3449.	3.2	25
6	Magnetic Anisotropy of Cubic Iron-Based Diluted Magnetic Semiconductors. Physica Scripta, 1991, T39, 131-134.	2.5	4
7	Anisotropy of the magnetization of Cd _{1-x} Fe _x Te. Physical Review B, 1991, 44, 399-402.	3.2	7
8	Magnetic properties of iron-based diluted magnetic semiconductors. Solid State Communications, 1990, 75, 21-24.	1.9	13
9	Piez spectroscopy of Raman lines exhibiting linear wave-vector dependence: α -quartz. Physical Review B, 1977, 15, 5869-5876.	3.2	17
10	Resonant interaction of acceptor states with optical phonons in silicon. Physical Review B, 1976, 14, 2417-2421.	3.2	34
11	Anomalous surface resistance of superconductors at finite temperature. Journal of Applied Physics, 1976, 47, 3651-3655.	2.5	2
12	Stress-induced mixing of the spin-orbit-split acceptor states of silicon. Physical Review B, 1975, 12, 5780-5789.	3.2	24
13	Residual surface resistance of superconductors at microwave frequencies. Applied Physics Letters, 1974, 24, 338-340.	3.3	9
14	Piez spectroscopic Study of the Raman Spectrum of α -Quartz. Physical Review B, 1973, 8, 706-717.	3.2	58
15	High frequency dielectric response of dipolar liquids. Journal of Chemical Physics, 1973, 59, 5992-6008.	3.0	78
16	Spectroscopic Study of the Symmetries and Deformation-Potential Constants of Singly Ionized Zinc in Germanium. Experiment. Physical Review B, 1973, 7, 5285-5298.	3.2	25
17	Group-Theoretical Study of Double Acceptors in Semiconductors under Uniaxial Stress. Physical Review B, 1973, 8, 1556-1570.	3.2	20
18	Spectroscopic Study of the Symmetries and Deformation-Potential Constants of Singly Ionized Zinc in Germanium. Theory. Physical Review B, 1972, 5, 2219-2233.	3.2	72

#	ARTICLE	IF	CITATIONS
19	Group-Theoretical Study of the Zeeman Effect of Acceptors in Silicon and Germanium. Physical Review B, 1972, 6, 3836-3856.	3.2	78
20	Linear Response Theory for a Degenerate Electron Gas in a Strong Magnetic Field. Physical Review, 1969, 177, 1019-1036.	2.7	84
21	Effects of Resonant Phonon Interactions on Shapes of Impurity Absorption Lines. Physical Review, 1969, 178, 1252-1263.	2.7	28
22	Attenuation of Transverse Ultrasound in Copper. Physical Review, 1967, 157, 500-510.	2.7	9
23	Collective Excitations of Dipolar Systems. Physical Review, 1967, 161, 513-525.	2.7	14
24	Helicon Propagation in Metals near the Cyclotron Edge. Physical Review, 1966, 141, 431-436.	2.7	51
25	Acoustic Kjeldaa Edge in Potassium. Physical Review, 1966, 148, 632-636.	2.7	8
26	Temperature Dependence of the Electrical Resistivity inn-Type GaSb. Physical Review, 1965, 137, A663-A666.	2.7	16
27	Propagation of Transverse Acoustic Waves in a Spin-Density-Wave Metal. Physical Review Letters, 1965, 14, 981-983.	7.8	10
28	Determination of the Cyclotron Effective Mass for Nonextremal Orbits in Metals. Physical Review, 1965, 137, A1400-A1403.	2.7	1
29	Ionized Impurity Scattering in Degenerate Many-Valley Semiconductors. Physical Review, 1964, 135, A779-A784.	2.7	32
30	Helicon-Phonon Interaction in Metals. Physical Review, 1964, 133, A1589-A1594.	2.7	56
31	Giant Quantum Oscillations of the Attenuation of Transverse Acoustic Waves in a Longitudinal Magnetic Field in Metals. Physical Review Letters, 1964, 12, 104-106.	7.8	18
32	Influence of the Spin of the Electron on the Quantum Magnetoacoustic Effect in Metals. Physical Review, 1963, 130, 929-931.	2.7	5
33	Modification of the Velocity of Sound in Metals by an Applied Magnetic Field. Physical Review, 1963, 130, 1778-1783.	2.7	64
34	Oscillations of the Velocity of Sound in Metals in a Magnetic Field. Physical Review, 1963, 132, 535-541.	2.7	21
35	Helicon-Phonon Interaction in Metals. Physical Review Letters, 1963, 11, 552-554.	7.8	30
36	Quantum Effects in Ultrasonic Attenuation in Metals in a Magnetic Field. Physical Review, 1962, 128, 2494-2496.	2.7	19

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37	Magnetic-Field Dependence of the Velocity of Sound in Metals. Physical Review Letters, 1962, 9, 145-147.	7.8	21
38	Electrodynamic Properties of a Quantum Plasma in a Uniform Magnetic Field. Physical Review, 1962, 128, 2487-2493.	2.7	107
39	Theory of Cyclotron Resonance in Metals. Physical Review, 1958, 112, 1616-1620.	2.7	25
40	Magnetic Field Dependence of Ultrasonic Attenuation in Metals at Low Temperatures. Physical Review, 1958, 112, 80-89.	2.7	31