

Sergio Rodriguez

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11642984/sergio-rodriguez-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Electrodynamic Properties of a Quantum Plasma in a Uniform Magnetic Field. <i>Physical Review</i> , 1962 , 128, 2487-2493		105
40	Linear Response Theory for a Degenerate Electron Gas in a Strong Magnetic Field. <i>Physical Review</i> , 1969 , 177, 1019-1036		83
39	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
38	High frequency dielectric response of dipolar liquids. <i>Journal of Chemical Physics</i> , 1973 , 59, 5992-6008	3.9	76
37	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
36	Modification of the Velocity of Sound in Metals by an Applied Magnetic Field. <i>Physical Review</i> , 1963 , 130, 1778-1783		61
35	Helicon-Phonon Interaction in Metals. <i>Physical Review</i> , 1964 , 133, A1589-A1594		53
34	Helicon Propagation in Metals near the Cyclotron Edge. <i>Physical Review</i> , 1966 , 141, 431-436		51
33	Piezospectroscopic Study of the Raman Spectrum of Quartz. <i>Physical Review B</i> , 1973 , 8, 706-717	3.3	48
32	Resonant interaction of acceptor states with optical phonons in silicon. <i>Physical Review B</i> , 1976 , 14, 2417-2421	3.2	32
31	Ionized Impurity Scattering in Degenerate Many-Valley Semiconductors. <i>Physical Review</i> , 1964 , 135, A779-A784	3.1	31
30	Magnetic Field Dependence of Ultrasonic Attenuation in Metals at Low Temperatures. <i>Physical Review</i> , 1958 , 112, 80-89		29
29	Effects of Resonant Phonon Interactions on Shapes of Impurity Absorption Lines. <i>Physical Review</i> , 1969 , 178, 1252-1263		28
28	Helicon-Phonon Interaction in Metals. <i>Physical Review Letters</i> , 1963 , 11, 552-554	7.4	28
27	Magnetic anisotropy of cubic iron-based diluted magnetic semiconductors. <i>Physical Review B</i> , 1991 , 43, 3443-3449	3.3	25
26	Theory of Cyclotron Resonance in Metals. <i>Physical Review</i> , 1958 , 112, 1616-1620		25
25	Spectroscopic Study of the Symmetries and Deformation-Potential Constants of Singly Ionized Zinc in Germanium. Experiment. <i>Physical Review B</i> , 1973 , 7, 5285-5298	3.3	24

24	Stress-induced mixing of the spin-orbit-split acceptor states of silicon. <i>Physical Review B</i> , 1975 , 12, 5780-5789	3.3	23
23	Magnetic-Field Dependence of the Velocity of Sound in Metals. <i>Physical Review Letters</i> , 1962 , 9, 145-147	7.4	21
22	Oscillations of the Velocity of Sound in Metals in a Magnetic Field. <i>Physical Review</i> , 1963 , 132, 535-541		21
21	Group-Theoretical Study of Double Acceptors in Semiconductors under Uniaxial Stress. <i>Physical Review B</i> , 1973 , 8, 1556-1570	3.3	20
20	Quantum Effects in Ultrasonic Attenuation in Metals in a Magnetic Field. <i>Physical Review</i> , 1962 , 128, 2494-2496		19
19	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
18	Temperature Dependence of the Electrical Resistivity in n-Type GaSb. <i>Physical Review</i> , 1965 , 137, A663-A666		16
17	Piezospectroscopy of Raman lines exhibiting linear wave-vector dependence: Quartz. <i>Physical Review B</i> , 1977 , 15, 5869-5876	3.3	15
16	Collective Excitations of Dipolar Systems. <i>Physical Review</i> , 1967 , 161, 513-525		14
15	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
14	Magnetic properties of iron-based diluted magnetic semiconductors. <i>Solid State Communications</i> , 1990 , 75, 21-24	1.6	13
13	Van Vleck paramagnetism of chromium- and iron-doped II-VI semiconductors. <i>Physical Review B</i> , 1993 , 48, 14127-14134	3.3	12
12	Propagation of Transverse Acoustic Waves in a Spin-Density-Wave Metal. <i>Physical Review Letters</i> , 1965 , 14, 981-983	7.4	10
11	Residual surface resistance of superconductors at microwave frequencies. <i>Applied Physics Letters</i> , 1974 , 24, 338-340	3.4	9
10	Attenuation of Transverse Ultrasound in Copper. <i>Physical Review</i> , 1967 , 157, 500-510		9
9	Acoustic Kjeldaa Edge in Potassium. <i>Physical Review</i> , 1966 , 148, 632-636		8
8	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
7	Anisotropy of the magnetization of Cd _{1-x} Fe _x Te. <i>Physical Review B</i> , 1991 , 44, 399-402	3.3	7

6	Influence of the Spin of the Electron on the Quantum Magnetoacoustic Effect in Metals. <i>Physical Review</i> , 1963 , 130, 929-931		5
5	Magnetic Anisotropy of Cubic Iron-Based Diluted Magnetic Semiconductors. <i>Physica Scripta</i> , 1991 , T39, 131-134	2.6	4
4	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
3	Anomalous surface resistance of superconductors at finite temperature. <i>Journal of Applied Physics</i> , 1976 , 47, 3651-3655	2.5	2
2	Determination of the Cyclotron Effective Mass for Nonextremal Orbits in Metals. <i>Physical Review</i> , 1965 , 137, A1400-A1403		1
1	Helicon Propagation in Metals Near the Cyclotron Edge80-90		