Jorge Serrano

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	An Archaeometric Characterization of Ecuadorian Pottery. Scientific Reports, 2019, 9, 2642.	3.3	3
2	Intelligent System for Identification of Wheelchair User's Posture Using Machine Learning Techniques. IEEE Sensors Journal, 2019, 19, 1936-1942.	4.7	20
3	Nonadiabatic Kohn Anomaly in Heavily Boron-Doped Diamond. Physical Review Letters, 2017, 119, 017001.	7.8	36
4	Prototype reduction algorithms comparison in nearest neighbor classification for sensor data: Empirical study. , 2017, , .		11
5	Element-Resolved Corrosion Analysis of Stainless-Type Glass-Forming Steels. Science, 2013, 341, 372-376.	12.6	136
6	Inelastic X-ray scattering in metallic glasses. Intermetallics, 2012, 30, 148-153.	3.9	3
7	Acoustic properties of metallic glasses in the mesoscopic regime by inelastic X-ray scattering. Journal of Alloys and Compounds, 2011, 509, S95-S98.	5.5	4
8	Role of Mo in the local configuration and structure stabilization of amorphous steels, a Synchrotron X-ray diffraction and Mössbauer study. Journal of Alloys and Compounds, 2011, 509, S56-S59.	5.5	2
9	InN Thin Film Lattice Dynamics by Grazing Incidence Inelastic X-Ray Scattering. Physical Review Letters, 2011, 106, 205501.	7.8	41
10	Communication: Are metallic glasses different from other glasses? A closer look at their high frequency dynamics. Journal of Chemical Physics, 2011, 135, 101101.	3.0	6
11	Dynamic structure factor and dielectric function of silicon for finite momentum transfer: Inelastic x-ray scattering experiments and <i>ab initio</i> calculations. Physical Review B, 2010, 81, .	3.2	50
12	The Role of Chain Length in Nonergodicity Factor and Fragility of Polymers. Macromolecules, 2010, 43, 8977-8984.	4.8	22
13	High frequency dynamics of BMG determined by synchrotron radiation: A microscopic picture. Journal of Alloys and Compounds, 2010, 495, 319-322.	5.5	4
14	Fragility measurement of Pd-based metallic glass by dynamic mechanical analysis. Journal of Alloys and Compounds, 2010, 504, S215-S218.	5.5	8
15	DuMond analysis of bending in single crystals by Laue diffraction using Ïf–π polarization geometry. Journal of Applied Crystallography, 2008, 41, 1053-1056.	4.5	1
16	Temperatureâ€dependent Raman scattering of natural and isotopically substituted PbS. Physica Status Solidi (B): Basic Research, 2008, 245, 1125-1132.	1.5	25
17	Lattice dynamics of antimony at high pressure: anab initiostudy. High Pressure Research, 2008, 28, 477-481.	1.2	3
18	Investigating surface dynamics with inelastic x-ray scattering. Journal of Physics Condensed Matter, 2008, 20, 224001.	1.8	9

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19	Lattice dynamics of wurtzite and rocksalt AlN under high pressure: Effect of compression on the crystal anisotropy of wurtzite-type semiconductors. Physical Review B, 2008, 77, .	3.2	61
20	Vibrational dynamics and stability of the high-pressure chain and ring phases in S and Se. Journal of Chemical Physics, 2007, 126, 084503.	3.0	42
21	Effect of pressure on the Raman scattering of wurtzite AlN. Physica Status Solidi (B): Basic Research, 2007, 244, 42-47.	1.5	11
22	The phonon dispersion of wurtzite-ZnO revisited. Physica Status Solidi (B): Basic Research, 2007, 244, 1478-1482.	1.5	17
23	Elasticity of hexagonal boron nitride: Inelastic x-ray scattering measurements. Physical Review B, 2006, 73, .	3.2	230
24	Signatures of Short-Range Many-Body Effects in the Dielectric Function of Silicon for Finite Momentum Transfer. Physical Review Letters, 2006, 97, 237602.	7.8	40
25	Probing the Coulomb Interaction of the Unconventional SuperconductorPuCoGa5by Phonon Spectroscopy. Physical Review Letters, 2006, 96, 237003.	7.8	30
26	Phonon Modes at the2Hâ^'NbSe2Surface Observed by Grazing Incidence Inelastic X-Ray Scattering. Physical Review Letters, 2005, 95, 256104.	7.8	38
27	Pressure measurements of TO-phonon anharmonicity in isotopic ZnS. Physica Status Solidi (B): Basic Research, 2004, 241, 491-494.	1.5	7
28	Pressure-Raman study of resonant TO(Γ)–two-phonon decay processes in ZnS: Comparison of three isotope compositions. Physica Status Solidi (B): Basic Research, 2004, 241, 3143-3148.	1.5	5
29	Dependence of phonon widths on pressure and isotopic mass: ZnO. Physica Status Solidi (B): Basic Research, 2003, 235, 260-266.	1.5	57
30	Determination of the phonon dispersion of zinc blende (3C) silicon carbide by inelastic x-ray scattering. Applied Physics Letters, 2002, 80, 4360-4362.	3.3	67
31	Comment on "Revised Fine Splitting of Excitons in Diamondâ€: Physical Review Letters, 2001, 86, 3923-3923.	7.8	25
32	Phonon Dispersion Curves in Wurtzite-Structure GaN Determined by Inelastic X-Ray Scattering. Physical Review Letters, 2001, 86, 906-909.	7.8	176
33	Spin–orbit splitting in diamond: excitons and acceptor related states. Solid State Communications, 2000, 113, 411-414.	1.9	46
34	Theoretical study of the relative stability of structural phases in group-III nitrides at high pressures. Physical Review B, 2000, 62, 16612-16623.	3.2	196