

Jorge Serrano

List of Publications by Year in descending order

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34
papers

1,433
citations

394390

19
h-index

377849

34
g-index

36
all docs

36
docs citations

36
times ranked

2044
citing authors

#	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 σ polarization geometry. Journal of Applied Crystallography, 2008, 41, 1053-1056.	4.5	1
16	Temperature-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: <i>ab initio</i> study. 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

#	ARTICLE	IF	CITATIONS
19	Lattice dynamics of wurtzite and rocksalt AlN under high pressure: Effect of compression on the crystal anisotropy of wurtzite-type semiconductors. <i>Physical Review B</i> , 2008, 77, .	3.2	61
20	Vibrational dynamics and stability of the high-pressure chain and ring phases in S and Se. <i>Journal of Chemical Physics</i> , 2007, 126, 084503.	3.0	42
21	Effect of pressure on the Raman scattering of wurtzite AlN. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 42-47.	1.5	11
22	The phonon dispersion of wurtzite-ZnO revisited. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1478-1482.	1.5	17
23	Elasticity of hexagonal boron nitride: Inelastic x-ray scattering measurements. <i>Physical Review B</i> , 2006, 73, .	3.2	230
24	Signatures of Short-Range Many-Body Effects in the Dielectric Function of Silicon for Finite Momentum Transfer. <i>Physical Review Letters</i> , 2006, 97, 237602.	7.8	40
25	Probing the Coulomb Interaction of the Unconventional Superconductor PuCoGa5 by Phonon Spectroscopy. <i>Physical Review Letters</i> , 2006, 96, 237003.	7.8	30
26	Phonon Modes at the $2H\sqrt{3}\times\sqrt{3}$ NbSe ₂ Surface Observed by Grazing Incidence Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2005, 95, 256104.	7.8	38
27	Pressure measurements of TO-phonon anharmonicity in isotopic ZnS. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 491-494.	1.5	7
28	Pressure-Raman study of resonant TO(Γ) \rightarrow two-phonon decay processes in ZnS: Comparison of three isotope compositions. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3143-3148.	1.5	5
29	Dependence of phonon widths on pressure and isotopic mass: ZnO. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 235, 260-266.	1.5	57
30	Determination of the phonon dispersion of zinc blende (3C) silicon carbide by inelastic x-ray scattering. <i>Applied Physics Letters</i> , 2002, 80, 4360-4362.	3.3	67
31	Comment on "Revised Fine Splitting of Excitons in Diamond" <i>Physical Review Letters</i> , 2001, 86, 3923-3923.	7.8	25
32	Phonon Dispersion Curves in Wurtzite-Structure GaN Determined by Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2001, 86, 906-909.	7.8	176
33	Spin-orbit splitting in diamond: excitons and acceptor related states. <i>Solid State Communications</i> , 2000, 113, 411-414.	1.9	46
34	Theoretical study of the relative stability of structural phases in group-III nitrides at high pressures. <i>Physical Review B</i> , 2000, 62, 16612-16623.	3.2	196