Bernard A Weinstein

List of Publications by Year
in descending order

34	1,142	933447	477307
papers	citations	10 h-index	29 g-index

35	35	35	1062
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Raman scattering and phonon dispersion in Si and GaP at very high pressure. Physical Review B, 1975, 12, 1172-1186.	3.2	458
2	Raman scattering inÎ²-ZnS. Physical Review B, 2004, 69, .	3.2	145
3	Phonon dispersion of zinc chalcogenides under extreme pressure and the metallic transformation. Solid State Communications, 1977, 24, 595-598.	1.9	124
4	Photoelastic trends for amorphous and crystalline solids of differing network dimensionality. Physical Review B, 1981, 24, 4652-4665.	3.2	75
5	Forward and reverse high-pressure transitions in bulklike AlAs and GaAs epilayers. Physical Review B, 1992, 45, 9237-9247.	3.2	62
6	Pressure-Raman effects in covalent and molecular solids. Topics in Applied Physics, 1984, , 463-527.	0.8	60
7	Pressure and temperature dependence of the Raman phonons in isotopic Î³-CuI. Physical Review B, 2002, 66, .	3.2	48
8	Evidence for selective delocalization of N-pair states in diluteGaAs1âˆ’xNx. Physical Review B, 2003, 68, .	3.2	26
9	New diamondâ€anvil cell design for far infrared magnetospectroscopy featuring in situ cryogenic pressure tuning. Review of Scientific Instruments, 1996, 67, 2883-2889.	1.3	13
10	Competition of Deep and Shallow Impurities in Wideâ€Gap IIâ€VI Semiconductors under Pressure. Physica Status Solidi (B): Basic Research, 1996, 198, 167-180.	1.5	10
11	Similarities in the kinetics of photocrystallization and photodarkening in a-Se. Applied Physics Letters, 2008, 93, .	3.3	10
12	Raman spectroscopy under pressure in semiconductor nanoparticles. Physica Status Solidi (B): Basic Research, 2007, 244, 368-379.	1.5	8
13	Photo-crystallization in a-Se layer structures: Effects of film-substrate interface-rigidity. Journal of Applied Physics, 2014, 116, .	2.5	8
14	Pressure Tuning of Many-Electron Impurity Interactions in Confined Semiconductor Structures. Physica Status Solidi (B): Basic Research, 1999, 211, 131-136.	1.5	7
15	Energy Level Alignments in Strained-Layer GaInP/AlGaInP Laser Diodes: Model Solid Theory Analysis of Pressure-Photoluminescence Experiments. Physica Status Solidi (B): Basic Research, 1999, 211, 869-883.	1.5	7
16	Pressure measurements of TO-phonon anharmonicity in isotopic ZnS. Physica Status Solidi (B): Basic Research, 2004, 241, 491-494.	1.5	7
17	Optical phonons in spherical core/shell semiconductor nanoparticles: Effect of hydrostatic pressure. Physical Review B, 2010, 82, .	3.2	7
18	Probing the nature of carrier localization in GaInNAs epilayers by optical methods. Applied Physics Letters, 2013, 103, 012104.	3.3	7

#	Article	IF	Citations
19	Pressure-softening of zone-edge TA phonons and the fourfold to sixfold phase change. Physical Review B, 2021, 104, .	3.2	7
20	Pitfalls of Using Pressure to Assign the Luminescence of Large-Lattice-Relaxation Defects. Physica Status Solidi (B): Basic Research, 1999, 211, 91-104.	1.5	6
21	Pressure and k Â· p studies of band parameters in dilute-N GaInNAs/GaAs multiple quantum wells. Physica Status Solidi (B): Basic Research, 2003, 235, 384-389.	1.5	6
22	Effects of pressure on photoâ€induced formation of Se and Te clusters in IIâ€“VI compounds. Physica Status Solidi (B): Basic Research, 2013, 250, 711-715.	1.5	6
23	Anomalies in the pressure response of the Raman modes in (211)â€oriented InxGa1â^'xAs/GaAs strainedâ€layer superlattices. Applied Physics Letters, 1992, 61, 1417-1419.	3.3	5
24	Pressure Dependence of the Electron Effective Mass in GaAs up to the 1s(Î“)-1s(X) Crossover. Physica Status Solidi (B): Basic Research, 1996, 198, 41-47.	1.5	5
25	Pressure-Raman study of resonant TO(Î“)â€“two-phonon decay processes in ZnS: Comparison of three isotope compositions. Physica Status Solidi (B): Basic Research, 2004, 241, 3143-3148.	1.5	5
26	Anomalous pressure behavior of ZnSe Raman spectrum. High Pressure Research, 2009, 29, 476-481.	1.2	5
27	Precipitation of anion inclusions and plasticity under hydrostatic pressure in II-VI crystals. Physical Review B, 2016, 94, .	3.2	5
28	Pressure dependence of the Raman active vibrations in InPâ€“CdS hybrid nanoparticles. Physica Status Solidi (B): Basic Research, 2009, 246, 477-481.	1.5	2
29	Frustration of photocrystallization in amorphous selenium films and film-polymer structures near the glass transition. , 2013, , .		2
30	Structural and chemical disorder in semiconductors under pressure: Evidence in IIâ€“VIâ€™s, role of photoactive defects, material predictions. Japanese Journal of Applied Physics, 2017, 56, 05FA05.	1.5	2
31	Pressure-induced instability of deep acceptor states in ZnSe. AIP Conference Proceedings, 1994, , .	0.4	0
32	Beginnings and connections. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1994, 70, 315-320.	0.6	0
33	Optical Phonon Modes of InP/II-VI core-shell Nanoparticles: a Raman and Infrared Study. AIP Conference Proceedings, 2005, , .	0.4	0
34	HPSPâ€13: Perspectives and summary remarks. Physica Status Solidi (B): Basic Research, 2009, 246, 679-681.	1.5	0