

Bernard A Weinstein

List of Publications by Year in descending order

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34
papers

1,142
citations

933447

10
h-index

477307

29
g-index

35
all docs

35
docs citations

35
times ranked

1062
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-softening of zone-edge TA phonons and the fourfold to sixfold phase change. Physical Review B, 2021, 104, .	3.2	7
2	Structural and chemical disorder in semiconductors under pressure: Evidence in II-VI TM s, role of photoactive defects, material predictions. Japanese Journal of Applied Physics, 2017, 56, 05FA05.	1.5	2
3	Precipitation of anion inclusions and plasticity under hydrostatic pressure in II-VI crystals. Physical Review B, 2016, 94, .	3.2	5
4	Photo-crystallization in a-Se layer structures: Effects of film-substrate interface-rigidity. Journal of Applied Physics, 2014, 116, .	2.5	8
5	Probing the nature of carrier localization in GalnNAs epilayers by optical methods. Applied Physics Letters, 2013, 103, 012104.	3.3	7
6	Effects of pressure on photo-induced formation of Se and Te clusters in II-VI compounds. Physica Status Solidi (B): Basic Research, 2013, 250, 711-715.	1.5	6
7	Frustration of photocrystallization in amorphous selenium films and film-polymer structures near the glass transition. , 2013, , .		2
8	Optical phonons in spherical core/shell semiconductor nanoparticles: Effect of hydrostatic pressure. Physical Review B, 2010, 82, .	3.2	7
9	Pressure dependence of the Raman active vibrations in InP-CdS hybrid nanoparticles. Physica Status Solidi (B): Basic Research, 2009, 246, 477-481.	1.5	2
10	HPSP-13: Perspectives and summary remarks. Physica Status Solidi (B): Basic Research, 2009, 246, 679-681.	1.5	0
11	Anomalous pressure behavior of ZnSe Raman spectrum. High Pressure Research, 2009, 29, 476-481.	1.2	5
12	Similarities in the kinetics of photocrystallization and photodarkening in a-Se. Applied Physics Letters, 2008, 93, .	3.3	10
13	Raman spectroscopy under pressure in semiconductor nanoparticles. Physica Status Solidi (B): Basic Research, 2007, 244, 368-379.	1.5	8
14	Optical Phonon Modes of InP/II-VI core-shell Nanoparticles: a Raman and Infrared Study. AIP Conference Proceedings, 2005, , .	0.4	0
15	Pressure measurements of TO-phonon anharmonicity in isotopic ZnS. Physica Status Solidi (B): Basic Research, 2004, 241, 491-494.	1.5	7
16	Pressure-Raman study of resonant TO(Γ) ² -two-phonon decay processes in ZnS: Comparison of three isotope compositions. Physica Status Solidi (B): Basic Research, 2004, 241, 3143-3148.	1.5	5
17	Raman scattering in Γ_2 -ZnS. Physical Review B, 2004, 69, .	3.2	145
18	Pressure and k \cdot p studies of band parameters in dilute-N GalnNAs/GaAs multiple quantum wells. Physica Status Solidi (B): Basic Research, 2003, 235, 384-389.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Evidence for selective delocalization of N-pair states in dilute GaAs $_{1-x}$ N $_x$. Physical Review B, 2003, 68, .	3.2	26
20	Pressure and temperature dependence of the Raman phonons in isotopic 13 CuI. Physical Review B, 2002, 66, .	3.2	48
21	Pressure Tuning of Many-Electron Impurity Interactions in Confined Semiconductor Structures. Physica Status Solidi (B): Basic Research, 1999, 211, 131-136.	1.5	7
22	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
23	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
24	New diamond anvil cell design for far infrared magnetospectroscopy featuring in situ cryogenic pressure tuning. Review of Scientific Instruments, 1996, 67, 2883-2889.	1.3	13
25	Pressure Dependence of the Electron Effective Mass in GaAs up to the $1s(\Gamma_6)$ - $1s(X)$ Crossover. Physica Status Solidi (B): Basic Research, 1996, 198, 41-47.	1.5	5
26	Competition of Deep and Shallow Impurities in Wide-Gap II-VI Semiconductors under Pressure. Physica Status Solidi (B): Basic Research, 1996, 198, 167-180.	1.5	10
27	Pressure-induced instability of deep acceptor states in ZnSe. AIP Conference Proceedings, 1994, , .	0.4	0
28	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
29	Forward and reverse high-pressure transitions in bulklike AlAs and GaAs epilayers. Physical Review B, 1992, 45, 9237-9247.	3.2	62
30	Anomalies in the pressure response of the Raman modes in (211) $\bar{0}$ -oriented In $_x$ Ga $_{1-x}$ As/GaAs strained-layer superlattices. Applied Physics Letters, 1992, 61, 1417-1419.	3.3	5
31	Pressure-Raman effects in covalent and molecular solids. Topics in Applied Physics, 1984, , 463-527.	0.8	60
32	Photoelastic trends for amorphous and crystalline solids of differing network dimensionality. Physical Review B, 1981, 24, 4652-4665.	3.2	75
33	Phonon dispersion of zinc chalcogenides under extreme pressure and the metallic transformation. Solid State Communications, 1977, 24, 595-598.	1.9	124
34	Raman scattering and phonon dispersion in Si and GaP at very high pressure. Physical Review B, 1975, 12, 1172-1186.	3.2	458