

R Zallen

List of Publications by Year in descending order

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46
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2,517
citations

186265

28
h-index

243625

44
g-index

46
all docs

46
docs citations

46
times ranked

2184
citing authors

#	ARTICLE	IF	CITATIONS
1	Bond Paths and van der Waals Interactions in Orpiment, As ₂ S ₃ . Journal of Physical Chemistry A, 2010, 114, 6550-6557.	2.5	29
2	The optical absorption edge of brookite TiO ₂ . Solid State Communications, 2006, 137, 154-157.	1.9	180
3	Effect of pressure on optical properties of crystalline As ₂ S ₃ . High Pressure Research, 2004, 24, 117-118.	1.2	10
4	Ferroelastic phase in SrBi ₂ Ta ₂ O ₉ and study of the ferroelectric phase-transition dynamics. Applied Physics Letters, 2002, 81, 1056-1058.	3.3	52
5	Intervalenceband and plasmon optical absorption in heavily doped GaAs:C. Journal of Applied Physics, 2002, 91, 171.	2.5	24
6	Properties of carbon-doped low-temperature GaAs and InP grown by solid-source molecular-beam epitaxy using CBr ₄ . Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 1594.	1.6	11
7	Infrared studies of hole-plasmon excitations in heavily-doped p-type MBE-grown GaAs:C. Physical Review B, 2000, 62, 4501-4510.	3.2	38
8	Infrared activity in the Aurivillius layered ferroelectric SrBi ₂ Ta ₂ O ₉ . Physical Review B, 1998, 57, 5715-5723.	3.2	58
9	Infrared reflectivity and lattice fundamentals in anatase TiO ₂ s. Physical Review B, 1997, 55, 7014-7017.	3.2	274
10	Characterization of nanophase titania particles synthesized using <i>in situ</i> steric stabilization. Journal of Materials Research, 1997, 12, 1755-1765.	2.6	40
11	Optical Studies of Nanophase Titania. , 1997, , 395-403.		6
12	Pressure-Raman studies of implantation disordered GaAs. AIP Conference Proceedings, 1994, , .	0.4	1
13	Effect of pressure on a defect-related band-resonant vibrational mode in implantation-disordered GaAs. Physical Review B, 1994, 50, 10702-10705.	3.2	11
14	Raman studies of sol-gel alumina: Finite-size effects in nanocrystalline AlO(OH). Physical Review B, 1993, 48, 15626-15637.	3.2	91
15	Raman-scattering and optical studies of argon-etched GaAs surfaces. Physical Review B, 1991, 43, 9678-9686.	3.2	17
16	Effects of ion bombardment on the chemical reactivity of gallium arsenide(100): variation of bombarding ion mass. Chemistry of Materials, 1990, 2, 173-180.	6.7	12
17	Optical properties of ion-implanted GaAs: The observation of finite-size effects in GaAs microcrystals. Physical Review B, 1989, 40, 1064-1073.	3.2	74
18	Raman-scattering studies of implantation-amorphized gallium arsenide: Comparison to sputtered and evaporated a-GaAs films. Journal of Non-Crystalline Solids, 1989, 114, 795-797.	3.1	14

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19	Resonant Raman-active acoustic phonons in the mixed amorphous-microcrystalline phase of ion-implanted GaAs. <i>Physical Review B</i> , 1988, 37, 2737-2740.	3.2	7
20	Raman-scattering depth profile of the structure of ion-implanted GaAs. <i>Physical Review B</i> , 1988, 37, 4609-4617.	3.2	84
21	Resonant Raman-active acoustic phonons in ion-implanted GaAs. <i>Physical Review B</i> , 1988, 38, 6097-6106.	3.2	14
22	Interband Optical Properties of the Microcrystalline Component within the Damage Layer of Be ⁺ -Implanted GaAs. <i>Materials Research Society Symposia Proceedings</i> , 1988, 128, 671.	0.1	0
23	Raman-scattering studies of silicon-implanted gallium arsenide: The role of amorphicity. <i>Journal of Applied Physics</i> , 1986, 59, 1946-1951.	2.5	52
24	Pressure-optical studies of GeS ₂ glasses and crystals: Implications for network topology. <i>Physical Review B</i> , 1982, 25, 781-792.	3.2	81
25	Pressure effects on the absorption edge, refractive index, and Raman spectra of crystalline and amorphous As ₂ S ₃ . <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981, 105, 319-323.	0.9	9
26	Photoelastic trends for amorphous and crystalline solids of differing network dimensionality. <i>Physical Review B</i> , 1981, 24, 4652-4665.	3.2	75
27	Effect of pressure on optical properties of crystalline As ₂ S ₃ . <i>Physical Review B</i> , 1980, 22, 3866-3876.	3.2	63
28	The effect of pressure on optical properties of As ₂ S ₃ glass. <i>Journal of Non-Crystalline Solids</i> , 1980, 35-36, 1255-1259.	3.1	37
29	The effect of temperature on libron frequencies in molecular crystals: Implications for TTF-TCNQ. <i>Solid State Communications</i> , 1979, 31, 557-561.	1.9	60
30	Raman spectra of As ₄ S ₄ polymorphs: Structural implications for amorphous As ₂ S ₃ films. <i>Solid State Communications</i> , 1979, 30, 357-360.	1.9	38
31	Influence of pressure and temperature on phonons in molecular chalcogenides: Crystalline As ₄ S ₄ and S ₄ N ₄ . <i>Physical Review B</i> , 1978, 18, 5775-5798.	3.2	152
32	New structure in the XPS valence band spectra of the layered crystal As ₂ S ₃ and its amorphous analogues. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1977, 38, 248-255.	0.2	8
33	The lattice polarizability of PbI ₂ . <i>Solid State Communications</i> , 1976, 18, 811-814.	1.9	48
34	The solid state transition in pyrene. <i>Chemical Physics Letters</i> , 1976, 39, 85-89.	2.6	42
35	Surface charging effects on valence band spectra in X-ray photoemission: Crystalline and Amorphous As ₂ S ₃ . <i>Solid State Communications</i> , 1976, 20, 793-797.	1.9	23
36	Polarization-dependent optical properties of orthorhombic sulfur in the ultraviolet. <i>Physical Review B</i> , 1976, 14, 808-813.	3.2	20

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37	Inter-polytype conversion and layer-layer coupling in PbI_2 . <i>Solid State Communications</i> , 1975, 17, 1561-1566.	1.9	73
38	Electronic structure of S_8 . <i>Physical Review B</i> , 1975, 12, 1493-1500.	3.2	59
39	Surface and bulk photoresponse of crystalline As_2S_3 . <i>Physical Review B</i> , 1974, 9, 4306-4313.	3.2	35
40	Thermal Modulation of HgS Edge Absorption. <i>Journal of Applied Physics</i> , 1972, 43, 2442-2443.	2.5	4
41	Interband spectra of As_2S_3 and As_2Se_3 crystals and glasses. <i>Solid State Communications</i> , 1972, 10, 293-296.	1.9	71
42	Electronic Structure of Crystalline and Amorphous As_2S_3 and As_2Se_3 . <i>Physical Review Letters</i> , 1971, 26, 1564-1567.	7.8	124
43	Quenching of photoconductivity and luminescence in natural crystals of mercury sulphide. <i>Journal of Physics C: Solid State Physics</i> , 1971, 4, 1890-1897.	1.5	29
44	Lattice Vibrations and Interlayer Interactions in Crystalline As_2S_3 and As_2Se_3 . <i>Physical Review B</i> , 1971, 3, 4257-4273.	3.2	257
45	Plasma edge and band structure of cubic HgS . <i>Solid State Communications</i> , 1970, 8, 1291-1294.	1.9	50
46	Lattice Vibrations in Trigonal HgS . <i>Physical Review B</i> , 1970, 1, 4058-4070.	3.2	60