

Roland PÃssler

List of Publications by Year in descending order

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8
papers

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1307594
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docs citations

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296
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Dispersion-related description of temperature dependencies of band gaps in semiconductors. Physical Review B, 2002, 66, . | 3.2 | 109 |
| 2 | Semi-empirical descriptions of temperature dependences of band gaps in semiconductors. Physica Status Solidi (B): Basic Research, 2003, 236, 710-728. | 1.5 | 68 |
| 3 | Basic moments of phonon density of states spectra and characteristic phonon temperatures of group IV, III-V, and II-VI materials. Journal of Applied Physics, 2007, 101, 093513. | 2.5 | 30 |
| 4 | Dispersion-related theory for heat capacities of semiconductors. Physica Status Solidi (B): Basic Research, 2007, 244, 4605-4623. | 1.5 | 16 |
| 5 | Exponential series representation for heat capacities of semiconductors and wide-bandgap materials. Physica Status Solidi (B): Basic Research, 2008, 245, 1133-1146. | 1.5 | 15 |
| 6 | Alternative electronic parts for multiphonon-broadened photoionization cross sections of deep levels in SiC. Journal of Applied Physics, 2005, 97, 113533. | 2.5 | 12 |
| 7 | Moments of phonon density of states spectra and characteristic phonon temperatures of wide band gap materials. Physica Status Solidi (B): Basic Research, 2006, 243, 2719-2727. | 1.5 | 11 |
| 8 | Qualitatively Different Non-Quartic Low-Temperature Heat Capacity Behaviors due to Various Non-Metallic Solids. Physica Status Solidi (B): Basic Research, 2019, 256, 1900154. | 1.5 | 1 |