

# J D Gavenda

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31  
papers

425  
citations

12  
h-index

20  
g-index

33  
ext. papers

443  
ext. citations

4  
avg, IF

2.26  
L-index

#	Paper	IF	Citations
31	Large dynamic range technique for magnetoacoustic measurements. <i>Review of Scientific Instruments</i> , <b>2001</b> , 72, 2498-2499	1.7	1
30	Newton's cradle and scientific explanation. <i>Physics Teacher</i> , <b>1997</b> , 35, 411-417	0.4	19
29	Magnetoacoustic effects caused by surface-scattered conduction electrons in copper. <i>Physical Review B</i> , <b>1992</b> , 45, 3669-3673	3.3	0
28	Generation of ultrasonic replica wave packets. <i>Physical Review B</i> , <b>1985</b> , 32, 1887-1891	3.3	2
27	Dispersion of ultrasound by conduction electrons calculated from the deformation coefficient. <i>Physical Review B</i> , <b>1983</b> , 27, 1997-2004	3.3	3
26	Low-field magnetoacoustic dispersion in metals. <i>Physical Review B</i> , <b>1980</b> , 22, 1789-1792	3.3	2
25	Interpolation functions for Fermi surfaces in strained metals. <i>Physical Review B</i> , <b>1980</b> , 21, 2096-2103	3.3	5
24	Role of the deformation potential in ultrasonic attenuation by open-orbit electrons in copper. <i>Physical Review B</i> , <b>1979</b> , 19, 3857-3867	3.3	3
23	Anomalous propagation of ultrasound at Doppler-shifted cyclotron resonances. <i>Physical Review B</i> , <b>1979</b> , 19, 4331-4332	3.3	5
22	Anomalous Propagation of Ultrasound in Metals by Open-Orbit Electrons. <i>Physical Review Letters</i> , <b>1978</b> , 40, 1211-1214	7.4	4
21	Electron lifetimes from magnetoacoustic open-orbit resonances. <i>European Physical Journal B</i> , <b>1975</b> , 19, 79-85	1.2	2
20	Ultrasonic shear-wave attenuation by open-orbit electrons in Cu, Ag, and Au. <i>Physical Review B</i> , <b>1975</b> , 12, 1167-1171	3.3	2
19	Attenuation and velocity of sound near the open-orbit resonances in copper. <i>Physical Review B</i> , <b>1974</b> , 9, 1240-1245	3.3	6
18	Polarization Dependence of Shear-Wave Attenuation by Open-Orbit Electrons in Cu. <i>Physical Review B</i> , <b>1972</b> , 6, 4392-4395	3.3	6
17	Temperature Dependence of Electron Mean Free Paths in Cadmium and Copper. <i>Physical Review B</i> , <b>1971</b> , 3, 3577-3579	3.3	6
16	High-Field Saturation of Ultrasonic Attenuation in Copper and Potassium. <i>Physical Review B</i> , <b>1971</b> , 3, 324-331	3.3	4
15	Doppler-Shifted Open-Orbit Resonance and High-Field Magnetoacoustic Oscillations in Ultrapure Copper. <i>Physical Review B</i> , <b>1971</b> , 3, 231-237	3.3	3

14	A Method for Digital Measurement of Attenuation. <i>Review of Scientific Instruments</i> , <b>1971</b> , 42, 1881-1882	1.7	
13	Size Effects and Doppler-Shifted Cyclotron Resonance of Helicons in Copper. <i>Physical Review B</i> , <b>1970</b> , 2, 1492-1506	3.3	11
12	Magnetoacoustic Effects in Very Pure Cd. <i>Physical Review</i> , <b>1969</b> , 186, 630-641		14
11	Magnetic Field Dependence of the Velocity of Sound in Ultrapure Cd and Cu. <i>Physical Review</i> , <b>1968</b> , 175, 805-812		15
10	Gantmakher Oscillations in the Neighborhood of a Helicon Window in Copper. <i>Physical Review Letters</i> , <b>1968</b> , 21, 998-1001	7.4	12
9	Attenuation and Rotation of Plane-Polarized Ultrasound in Copper in a Longitudinal Magnetic Field. <i>Physical Review</i> , <b>1966</b> , 152, 645-658		32
8	Magnetoacoustic Effects with Finite Omega-Tau. <i>Physical Review Letters</i> , <b>1966</b> , 16, 228-230	7.4	10
7	Rotation and Attenuation of Shear Sound Waves in Copper. <i>Physical Review Letters</i> , <b>1965</b> , 15, 364-367	7.4	12
6	Ultrasonic Investigation of Open Orbits in Cadmium and Zinc. <i>Physical Review</i> , <b>1964</b> , 136, A1096-A1101		19
5	Electron Relaxation Time Anisotropy in Copper. <i>Physical Review</i> , <b>1963</b> , 129, 1990-1994		43
4	Resonant Absorption of Ultrasound by Open-Orbit Electrons in Cadmium. <i>Physical Review Letters</i> , <b>1962</b> , 8, 208-209	7.4	31
3	Magnetic Oscillations of Ultrasonic Attenuation in a Copper Crystal at Low Temperatures. <i>Physical Review Letters</i> , <b>1959</b> , 2, 250-252	7.4	42
2	Evidence for Anisotropy of the Superconducting Energy Gap from Ultrasonic attenuation. <i>Physical Review Letters</i> , <b>1959</b> , 3, 15-16	7.4	70
1	Electron Resonances with Ultrasonic Waves in Copper. <i>Physical Review</i> , <b>1958</b> , 109, 1394-1396		41