

# F P Missell

## List of Publications by Year in descending order

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29  
papers

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citations

840585

11  
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887953

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g-index

30  
all docs

30  
docs citations

30  
times ranked

260  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure Dependence of the Magnetic Properties of Mixed-Valence TmSe. <i>Physical Review Letters</i> , 1976, 37, 529-532.	2.9	44
2	Reversible and irreversible magnetization in hybrid magnets. <i>Journal of Applied Physics</i> , 2000, 87, 1387-1394.	1.1	26
3	Antibody-based magneto-elastic biosensors: potential devices for detection of pathogens and associated toxins. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6149-6163.	1.7	24
4	Electronic density of states in amorphous zirconium alloys. <i>Physical Review B</i> , 1983, 27, 1596-1604.	1.1	20
5	Magnetic properties and underlayer thickness in SmCo/Cr films. <i>Journal of Applied Physics</i> , 2000, 87, 6965-6967.	1.1	20
6	Flash annealing and magnetic interactions in Pr <sub>4</sub> Fe <sub>78</sub> B <sub>18</sub> . <i>Journal of Applied Physics</i> , 1997, 81, 4434-4436.	1.1	19
7	Effect of surface roughness on performance of magnetoelastic biosensors for the detection of <i>Escherichia coli</i> . <i>Materials Science and Engineering C</i> , 2016, 58, 541-547.	3.8	19
8	Moving Preisach model analysis of nanocrystalline SmFeCo. <i>Journal of Applied Physics</i> , 1997, 81, 5588-5590.	1.1	16
9	Giant magnetoresistance in granular CuFeNi alloys. <i>Journal of Applied Physics</i> , 1998, 83, 7001-7003.	1.1	16
10	Magnetic and crystallographic structure of Nd <sub>5</sub> Fe <sub>17</sub> . <i>Journal of Applied Physics</i> , 1999, 85, 5693-5695.	1.1	14
11	Influence of antibody immobilization strategies on the analytical performance of a magneto-elastic immunosensor for <i>Staphylococcus aureus</i> detection. <i>Materials Science and Engineering C</i> , 2017, 76, 1232-1239.	3.8	14
12	Magnetoacoustic attenuation in the mixed state of Nb-26-at.% Hf. <i>Physical Review B</i> , 1976, 14, 2255-2266.	1.1	10
13	Electronic density of states in amorphous Zr-Pd and Zr-Ni alloys. <i>Physical Review B</i> , 1984, 29, 5207-5210.	1.1	10
14	Strain dependence of the Fermi surface in cadmium and rhenium from ultrasonic velocity oscillations. <i>Physical Review B</i> , 1978, 17, 4633-4639.	1.1	9
15	Biocompatibility and degradation of gold-covered magneto-elastic biosensors exposed to cell culture. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 111-117.	2.5	9
16	Reversible processes and magnetic viscosity of nanocrystalline permanent magnets. <i>Journal of Applied Physics</i> , 1998, 83, 6637-6639.	1.1	8
17	Annealing dependence of giant magnetoresistance in CuFeNi alloys. <i>Journal of Applied Physics</i> , 2000, 87, 4840-4842.	1.1	8
18	Temperature dependence of the elastic constants of $\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$ . <i>Journal of Chemical Physics</i> , 1982, 77, 939-942.	1.2	7

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19	Magnetization processes in hybrid magnets. Journal of Applied Physics, 1998, 83, 7127-7129.	1.1	7
20	Magnetic interactions in nanocrystalline SmFeCo. Journal of Applied Physics, 1996, 79, 6312.	1.1	6
21	Site occupancy of Sm in $(Nd_{1-x}Sm_x)_5(Fe_{1-y}Ti_y)_{17}$ . Journal of Applied Physics, 2000, 87, 6704-6706.	1.1	4
22	Magnetization and magnetoresistance in melt-spun $Cu_{80}Fe_5Ni_{15}$ . Journal of Applied Physics, 2001, 89, 7296-7298.	1.1	4
23	Magnetization along Principal Directions of TmSe at High Hydrostatic Pressures. , 1977, , 275-287.		4
24	A simplified system for pulse superposition velocity measurements at high pulse repetition rates. Journal of Physics E: Scientific Instruments, 1975, 8, 905-906.	0.7	3
25	Ultrasonic velocity in the mixed state of Nb-26-at.% Hf. Physical Review B, 1979, 19, 1322-1325.	1.1	3
26	Pressure dependence of the phase diagram of metamagnetic $Ni(NO_3)_2 \cdot 2H_2O$ . Journal of Applied Physics, 1982, 53, 7945-7947.	1.1	3
27	Preisach analysis of sputtered SmCo thick films. Journal of Applied Physics, 2013, 113, .	1.1	3
28	Ultrasonic attenuation in the mixed state of V-42 at % Ti. Journal of Low Temperature Physics, 1979, 37, 257-268.	0.6	1
29	Ultrasonic velocity in the mixed state of V-42 at.% Ti. Journal of Physics F: Metal Physics, 1980, 10, 1213-1222.	1.6	0