

# Ivan Prochazka

## List of Publications by Citations

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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.

180  
papers

2,061  
citations

22  
h-index

40  
g-index

186  
ext. papers

2,188  
ext. citations

2  
avg, IF

4.19  
L-index

#	Paper	IF	Citations
180	The asset of ultra-fast digitizers for positron-lifetime spectroscopy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 539, 372-385	1.2	128
179	Identification of Zn-vacancy-hydrogen complexes in ZnO single crystals: A challenge to positron annihilation spectroscopy. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	108
178	A high-resolution BaF <sub>2</sub> positron-lifetime spectrometer and experience with its long-term exploitation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 443, 557-577	1.2	101
177	Evolution of defects in copper deformed by high-pressure torsion. <i>Acta Materialia</i> , <b>2011</b> , 59, 2322-2329	8.4	100
176	Thermal stability of ultrafine grained copper. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	93
175	Application of Maximum-Likelihood Method to Decomposition of Positron-Lifetime Spectra to Finite Number of Components. <i>Materials Science Forum</i> , <b>1997</b> , 255-257, 772-774	0.4	84
174	Origin of green luminescence in hydrothermally grown ZnO single crystals. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 251902	3.4	72
173	Hydrogen-induced defects in bulk niobium. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	70
172	Microstructure and thermal stability of ultra fine grained Mg-based alloys prepared by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 462, 121-126	5.3	61
171	TEM and PAS study of neutron irradiated VVER-type RPV steels. <i>Journal of Nuclear Materials</i> , <b>2002</b> , 303, 52-64	3.3	59
170	Digital spectrometer for coincidence measurement of Doppler broadening of positron annihilation radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 623, 982-994	1.2	57
169	Defect studies of nanocrystalline zirconia powders and sintered ceramics. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	55
168	Influence of deformation on precipitation process in Mg-15wt.%Gd alloy. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 430, 92-96	5.7	51
167	Study of atom diffusivity and related relaxation phenomena in Fe <sub>3</sub> Al <sub>(Ti,Nb)</sub> alloys. <i>Acta Materialia</i> , <b>2005</b> , 53, 2581-2594	8.4	47
166	Defect studies of ZnO single crystals electrochemically doped with hydrogen. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 053508	2.5	45
165	Vacancy clusters in ultra fine grained metals prepared by severe plastic deformation. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 443, 012008	0.3	31
164	Thermal development of microstructure and precipitation effects in Mg-10wt%Gd alloy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2006</b> , 203, 466-477	1.6	31

163	High-resolution positron lifetime measurement using ultra fast digitizers Acqiris DC211. <i>Applied Surface Science</i> , <b>2008</b> , 255, 111-114	6.7	28
162	Study of Even Gd Nuclei by Decay of Oriented Tb, With Analysis by Simple Boson Models. <i>Physica Scripta</i> , <b>1983</b> , 27, 8-22	2.6	26
161	Low temperature nuclear orientation of nuclei far from beta stability Spin IFacility at JINR. <i>Hyperfine Interactions</i> , <b>1985</b> , 22, 461-473	0.8	25
160	Characterization of quenched-in vacancies in FeAl alloys. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 2659-2664	2.6	23
159	Three-detector setup for positron-lifetime spectroscopy of solids containing <sup>60</sup> Co radionuclide. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 450, 325-337	1.2	22
158	Hydrogen-vacancy complexes in electron-irradiated niobium. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	21
157	Hydrogen-induced microstructural changes of Pd films. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 12115-12125	6.7	20
156	Annealing process in quenched Al-Sn alloys: A positron annihilation study. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	18
155	Microstructure characterization of rapidly solidified AlBeCrTi alloy by positron annihilation spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3211-3218	5.7	17
154	Positron annihilation study of vacancies in FeAl based alloys. <i>Intermetallics</i> , <b>2010</b> , 18, 592-598	3.5	17
153	Characterization of microstructural defects in melt grown ZnO single crystals. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 063516	2.5	17
152	Comparative characterization of differently grown ZnO single crystals by positron annihilation and Hall effect. <i>Superlattices and Microstructures</i> , <b>2007</b> , 42, 259-264	2.8	17
151	Hydrogen-induced defects in niobium. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 446-447, 479-483	5.7	17
150	Structural investigations of submicrocrystalline metals obtained by high-pressure torsion deformation. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 378, 242-247	5.7	16
149	Medium-spin levels in the N=83 nucleus <sup>147</sup> Gd. <i>Zeitschrift für Physik A</i> , <b>1983</b> , 314, 33-42		16
148	Homogeneity of ultrafine-grained copper deformed by high-pressure torsion characterized by positron annihilation and microhardness. <i>Scripta Materialia</i> , <b>2011</b> , 65, 171-174	5.6	15
147	Thermal vacancies in Fe <sub>3</sub> Al studied by positron annihilation. <i>Acta Materialia</i> , <b>2011</b> , 59, 4068-4078	8.4	15
146	Positron lifetimes in ZnO single crystals. <i>Vacuum</i> , <b>2007</b> , 81, 1314-1317	3.7	15

145	Spatial distribution of defects in ultra-fine grained copper prepared by high-pressure torsion. <i>Physica Status Solidi A</i> , <b>2003</b> , 195, 335-349		15
144	Positron annihilation in three zirconia polymorphs. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 3831-3834		14
143	Hydrogen-induced defects and multiplication of dislocations in Palladium. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, S312-S315	5.7	13
142	Defect studies of hydrogen-loaded thin Nb films. <i>Applied Surface Science</i> , <b>2006</b> , 252, 3237-3244	6.7	13
141	Hydrogen-induced buckling of Pd films studied by positron annihilation. <i>Applied Surface Science</i> , <b>2008</b> , 255, 241-244	6.7	12
140	Microstructure and Thermal Stability of Ultra Fine Grained Mg-Based Alloys Prepared by High Pressure Torsion. <i>Materials Science Forum</i> , <b>2006</b> , 503-504, 149-154	0.4	12
139	Vacancy solute complexes in aluminum. <i>Applied Surface Science</i> , <b>2006</b> , 252, 3285-3289	6.7	11
138	Defect Studies of Ytria Stabilized Zirconia with Chromia Additive. <i>Physics Procedia</i> , <b>2012</b> , 35, 134-139		10
137	Structural characterization of H plasma-doped ZnO single crystals by positron annihilation spectroscopies. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2010</b> , 207, 2415-2425	1.6	10
136	Experimental Setup for High-Resolution Positron Lifetime Spectroscopy. <i>Materials Science Forum</i> , <b>1994</b> , 175-178, 947-950	0.4	10
135	Defect studies of H+ implanted niobium. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, S69-S71	5.7	9
134	Investigation of positron annihilation-in-flight using a digital coincidence Doppler broadening spectrometer. <i>New Journal of Physics</i> , <b>2012</b> , 14, 035005	2.9	9
133	Vacancy-induced hardening in Fe-Al alloys. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 443, 012025	0.3	9
132	Hydrogen-induced defects in niobium studied by positron annihilation spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 404-406, 580-583	5.7	9
131	Investigation of spatial distribution of defects in ultra-fine grained copper. <i>Applied Surface Science</i> , <b>2002</b> , 194, 140-144	6.7	9
130	Microstructure and Thermal Stability of Ultra Fine Grained Mg and Mg-Gd Alloys Prepared by High-Pressure Torsion. <i>Materials Science Forum</i> , <b>2005</b> , 482, 183-186	0.4	9
129	Characterization of rf-sputtered platinum films by positron annihilation spectroscopy. <i>Physical Review B</i> , <b>2000</b> , 62, 5199-5206	3.3	9
128	Gamma radiation from the decays of <sup>189</sup> Pt and <sup>191</sup> Pt. <i>European Physical Journal D</i> , <b>1969</b> , 19, 1622-1625		9

127	Vacancy-like defects associated with icosahedral phase in Mg <sub>70</sub> Ni <sub>20</sub> Zr alloys modified by the addition of Zn. <i>Scripta Materialia</i> , <b>2012</b> , 66, 630-633	5.6	8
126	Hydrogen-Induced Defects in Palladium. <i>Acta Physica Polonica A</i> , <b>2014</b> , 125, 752-755	0.6	8
125	Precipitation Effects in Ultra-Fine-Grained Mg <sub>90</sub> RE Alloys. <i>International Journal of Materials Research</i> , <b>2009</b> , 100, 780-784	0.5	8
124	Semiconducting single photon detectors: the state of the art. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2005</b> , 2, 1524-1532		8
123	The decay of <sup>109</sup> Gd. <i>European Physical Journal D</i> , <b>1978</b> , 28, 134-140		8
122	Multi-scale analysis of hydrogen-induced buckling in Pd films. <i>Procedia Engineering</i> , <b>2009</b> , 1, 99-103		7
121	Defects in yttria-stabilised zirconia: a positron annihilation study. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 3847-3850		7
120	Nuclear orientation of <sup>147</sup> Tb (T <sub>1/2</sub> =17 h), <sup>149</sup> Tb (T <sub>1/2</sub> =4.5 h) and <sup>151</sup> Tb (T <sub>1/2</sub> =17 h) in a gadolinium host. <i>European Physical Journal D</i> , <b>1983</b> , 33, 540-548		7
119	The decay of <sup>111g</sup> Pd and <sup>111m</sup> Pd. <i>European Physical Journal D</i> , <b>1977</b> , 27, 1099-1110		7
118	Hydrogen-Induced Defects in Titanium. <i>Defect and Diffusion Forum</i> , <b>2017</b> , 373, 122-125	0.7	6
117	Defects Studies of ZnO Single Crystals Prepared by Various Techniques. <i>Acta Physica Polonica A</i> , <b>2014</b> , 125, 748-751	0.6	6
116	Natural aging of Mg <sub>90</sub> and Mg <sub>90</sub> Tb alloys. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2012</b> , 209, 2135-2141	1.6	6
115	Positron annihilation study of hydrogen trapping at open-volume defects: Comparison of nanocrystalline and epitaxial Nb thin films. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 446-447, 484-488	5.7	6
114	Theoretical Study of Positron Annihilation in Nanoclusters in Al-Cu System. <i>Materials Science Forum</i> , <b>2004</b> , 445-446, 132-134	0.4	6
113	Influence of Al <sub>2</sub> O <sub>3</sub> Nanoparticles on the Thermal Stability of Ultra-Fine Grained Copper Prepared by High Pressure Torsion. <i>Monatshefte für Chemie</i> , <b>2002</b> , 133, 873-887	1.4	6
112	Positron Annihilation Study of Zirconia Nanopowders and Nanoceramics Stabilized by Magnesia and Ceria. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 982-989	3.8	5
111	Defect Behaviour in Yttria-Stabilised Zirconia Nanomaterials Studied by Positron Annihilation Techniques. <i>Defect and Diffusion Forum</i> , <b>2012</b> , 331, 181-199	0.7	5
110	Positron annihilation study of yttria-stabilized zirconia nanopowders containing Cr <sub>2</sub> O <sub>3</sub> additive. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 265, 012020	0.3	5

109	Hydrogen-induced defects in Pd films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2009</b> , 6, 2364-2366		5
108	Investigation of hydrogen interaction with defects in zirconia. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 225, 012035	0.3	5
107	Effect of the Temperature of Accumulative Roll Bonding on the Microstructure and Properties of Twin-Roll Cast AA8006 Alloy. <i>Materials Science Forum</i> , <b>2006</b> , 503-504, 281-286	0.4	5
106	Characterization of a SiC/SiC composite by X-ray diffraction, atomic force microscopy and positron spectroscopies. <i>Applied Surface Science</i> , <b>2006</b> , 252, 3342-3351	6.7	5
105	2D-Coincidence Doppler Broadening Measurements on Neutron-Irradiated VVER-Type Reactor Pressure Vessel Steels. <i>Materials Science Forum</i> , <b>2004</b> , 445-446, 63-65	0.4	5
104	Thermal Stability of Ultra Fine Grained Copper Prepared by High Pressure Torsion Using Various Pressures. <i>Journal of Metastable and Nanocrystalline Materials</i> , <b>2003</b> , 17, 37-44	0.2	5
103	On the magnetic dipole moment of the $^{153}\text{Tb}$ ground state. <i>European Physical Journal D</i> , <b>1981</b> , 31, 522-526		5
102	The decay of $^{224}\text{Ac}$ to the levels of $^{212}\text{Pb}$ and $^{212}\text{Bi}$ . <i>European Physical Journal D</i> , <b>1974</b> , 24, 852-877		5
101	$^{189}\text{Ir}$ excited states populated in the decay of $^{189}\text{Pt}$ . <i>European Physical Journal D</i> , <b>1970</b> , 20, 1227-1232		5
100	Levels populated in $^{191}\text{Ir}$ from the beta-decay of $^{191}\text{Pt}$ . <i>European Physical Journal D</i> , <b>1970</b> , 20, 1233-1238		5
99	Structural studies of thin Mg films. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 505, 012024	0.3	4
98	Defects in Zirconia Nanomaterials Doped with Rare-Earth Oxides. <i>Acta Physica Polonica A</i> , <b>2014</b> , 125, 760-763	0.6	4
97	Influence of Deformation on Precipitation Kinetics in Mg-Tb Alloy. <i>Defect and Diffusion Forum</i> , <b>2012</b> , 322, 151-162	0.7	4
96	Influence of ceramic nanoparticles on grain growth in ultra fine grained copper prepared by high pressure torsion. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 3587-3590		4
95	Simulation of positron annihilation response to mechanical deformation of nanostructured Ni <sub>3</sub> Al. <i>Applied Surface Science</i> , <b>2008</b> , 255, 157-159	6.7	4
94	Defect studies of hydrogen-loaded nanocrystalline Gd films. <i>Applied Surface Science</i> , <b>2008</b> , 255, 251-253	6.7	4
93	Surface microstructure changes in the mechanically strained Fe <sub>3</sub> Al based intermetallics. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2000</b> , 293, 215-222	5.3	4
92	Structural Studies of Ultrafine Grained Copper Obtained by Severe Plastic Deformation. <i>Materials Science Forum</i> , <b>2001</b> , 378-381, 463-468	0.4	4

91	Hyperfine magnetic fields at rare-earth elements in ferromagnetic transition metals. <i>Hyperfine Interactions</i> , <b>1987</b> , 34, 315-318	0.8	4
90	Nuclear orientation study of $^{155}\text{Tb}$ decay. <i>European Physical Journal D</i> , <b>1979</b> , 29, 361-369		4
89	The decay of $^{153}\text{Tb}$ oriented in a gadolinium host. <i>European Physical Journal D</i> , <b>1983</b> , 33, 903-922		4
88	Effect of hydrogen on generation of lattice defects in shock-loaded Pd. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, S472-S475	5.7	3
87	Positron annihilation study of cavities in black Au films. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 791, 012018	0.3	3
86	Positive effect of hydrogen-induced vacancies on mechanical alloying of Fe and Al. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 629, 22-26	5.7	3
85	Hydrogen Interaction with Defects in Nanocrystalline, Polycrystalline and Epitaxial Pd Films. <i>Journal of Nano Research</i> , <b>2013</b> , 26, 123-133	1	3
84	Divacancy-Hydrogen Complexes in Zinc Oxide. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1201, 45		3
83	Quenched-in vacancies in Fe-Al alloys. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2009</b> , 6, 2367-2369		3
82	Hydrogen Interaction with Defects in ZnO. <i>Materials Science Forum</i> , <b>2012</b> , 733, 228-231	0.4	3
81	Diffusivity of Hydrogen in ZnO Single Crystal. <i>Defect and Diffusion Forum</i> , <b>2012</b> , 326-328, 459-464	0.7	3
80	Structure and Positron Characteristics of Basic Open Volume Defects in Zirconia. <i>Materials Science Forum</i> , <b>2008</b> , 607, 125-127	0.4	3
79	Defect studies of hydrogen loaded Nb: bulk metals and thin films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 3485-3488		3
78	Microstructure, Texture and Property Changes of High Purity Aluminium during Accumulative Roll Bonding and Conventional Rolling. <i>Materials Science Forum</i> , <b>2006</b> , 503-504, 711-716	0.4	3
77	Silicon photon counting detector optical cross-talk effect <b>2006</b> ,		3
76	Decay of oriented $^{149}\text{Nd}$ and levels in the $N=88$ $^{149}\text{Pm}$ nucleus. <i>Hyperfine Interactions</i> , <b>1987</b> , 34, 123-126	0.8	3
75	Nuclear orientation study of the decay of $^{208}\text{At}$ ( $T_{1/2}=1.63$ h) and $^{209}\text{At}$ ( $T_{1/2}=5.41$ h) implanted in iron host. <i>Hyperfine Interactions</i> , <b>1987</b> , 34, 131-134	0.8	3
74	Nuclear orientation of $^{149}\text{Pm}$ in gadolinium host. <i>European Physical Journal D</i> , <b>1984</b> , 34, 199-207		3

73	Ultra fine grained Ti prepared by severe plastic deformation. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 674, 012007	0.3	2
72	Surface magneto-optical and Mössbauer observations of FeAl. <i>Applied Surface Science</i> , <b>2013</b> , 276, 68-75	6.7	2
71	Hydrogen-Induced Buckling of Pd Films Deposited on Various Substrates. <i>Defect and Diffusion Forum</i> , <b>2015</b> , 365, 55-62	0.7	2
70	Investigation of H+implanted Fe-Al alloys. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 505, 012013	0.3	2
69	Precipitation Effects in Mg-Zn Alloys Studied by Positron Annihilation and Hardness Testing. <i>Acta Physica Polonica A</i> , <b>2014</b> , 125, 718-721	0.6	2
68	Investigation of Precipitation Effects in Mg-Tb and Mg-Tb-Nd Alloys. <i>Acta Physica Polonica A</i> , <b>2014</b> , 125, 744-747	0.6	2
67	Effect of Hydrogen on Formation of Fe-Al Nanoparticles by Mechanical Milling. <i>Journal of Nano Research</i> , <b>2014</b> , 29, 23-28	1	2
66	Effect of Sintering on Defects in Yttria Stabilised Zirconia. <i>Materials Science Forum</i> , <b>2012</b> , 733, 236-239	0.4	2
65	Hydrogen-Induced Plastic Deformation in ZnO. <i>Physics Procedia</i> , <b>2012</b> , 35, 128-133		2
64	Anisotropy of Hydrogen Diffusivity in ZnO. <i>Defect and Diffusion Forum</i> , <b>2013</b> , 333, 39-49	0.7	2
63	Size distributions of nanoscopic holes in Ti/h-BN and Ti/B nanocomposites. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 043509	2.5	2
62	Microstructure Development and Ductility of Ultra-Fine Grained Mg-Gd Alloy Prepared by High Pressure Torsion. <i>Materials Science Forum</i> , <b>2009</b> , 633-634, 353-363	0.4	2
61	Sintering of yttria-stabilized zirconia nanopowders studied by positron annihilation spectroscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2009</b> , 6, 2582-2584		2
60	Inhibition of Positronium Formation in Yttria Stabilized Zirconia Nanopowders Modified by Addition of Chromia. <i>Materials Science Forum</i> , <b>2012</b> , 733, 249-253	0.4	2
59	Positron Annihilation at Planar Defects in Oxides. <i>Materials Science Forum</i> , <b>2012</b> , 733, 240-244	0.4	2
58	Microstructure Development and Precipitation Effects in Ultra Fine Grained Mg-3Tb-2Nd Alloy Prepared by High Pressure Torsion. <i>Materials Science Forum</i> , <b>2008</b> , 584-586, 591-596	0.4	2
57	Positronium yields in amorphous, cross-linked and conductive polystyrene. <i>Radiation Physics and Chemistry</i> , <b>2007</b> , 76, 180-184	2.5	2
56	Defects in N+ ion-implanted ZnO single crystals studied by positron annihilation and Hall effect. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 3642-3645		2



55	Photon counting detector with picosecond timing resolution for X to visible range on the basis of GaP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2006</b> , 568, 437-439	1.2	2
54	Hydrogen-Induced Defects in Niobium Studied by Positron Annihilation. <i>Materials Science Forum</i> , <b>2004</b> , 445-446, 60-62	0.4	2
53	Positron Annihilation Studies of Microstructure of Ultra Fine Grained Metals Prepared by Severe Plastic Deformation. <i>Materials Science Forum</i> , <b>2005</b> , 482, 207-210	0.4	2
52	Positron Lifetime Study of Polycarbonate/Poly(Styrene-co-Acrylonitrile) Blends. <i>Materials Science Forum</i> , <b>2001</b> , 363-365, 340-342	0.4	2
51	Dislocation Density Measurement and Positron Annihilation. <i>Materials Science Forum</i> , <b>1996</b> , 210-213, 743-750	0.4	2
50	Positron lifetimes for neutron-irradiated C $\delta$ . <i>Applied Physics A: Materials Science and Processing</i> , <b>1995</b> , 61, 335-337	2.6	2
49	Characterisation of Porosity in Zirconia-Based Nanopowders. <i>Defect and Diffusion Forum</i> , <b>2017</b> , 373, 295-298	2.98	1
48	Hydrogen-Induced Hardening in Palladium. <i>Defect and Diffusion Forum</i> , <b>2015</b> , 365, 297-304	0.7	1
47	Early stages of precipitation in Mg-RE alloys studied by positron annihilation spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 674, 012004	0.3	1
46	Effects in Mg-Zn-based alloys strengthened by quasicrystalline phase. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 674, 012005	0.3	1
45	Defect studies of thin ZnO films prepared by pulsed laser deposition. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 505, 012021	0.3	1
44	Positron annihilation in flight: experiment with slow and fast positrons. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 505, 012043	0.3	1
43	Positron annihilation studies of zirconia doped with metal cations of different valence. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 443, 012026	0.3	1
42	Hydrogen Trapping at Defects in Pd and Thermally Activated Desorption. <i>Defect and Diffusion Forum</i> , <b>2015</b> , 365, 36-41	0.7	1
41	Defects and Sintering-Induced Diffusion Processes in Yttria-Stabilised Zirconia Nanomaterials Studied by Positron Annihilation Spectroscopy <b>2014</b> , 1, 155-172		1
40	Defect studies of ZnO films prepared by pulsed laser deposition on various substrates. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 443, 012018	0.3	1
39	Characterization of point defects in yttria stabilized zirconia single crystals. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 262, 012038	0.3	1
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