List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Charge-Induced Reversible Strain in a Metal. Science, 2003, 300, 312-315.	12.6	485
2	Structure of nanometer-sized polycrystalline iron investigated by positron lifetime spectroscopy. Physical Review B, 1988, 38, 9545-9554.	3.2	234
3	Oxygen diffusion in ultrafine grained monoclinic ZrO2. Journal of Applied Physics, 1999, 85, 7646-7654.	2.5	183
4	Simultaneous Study of Vacancy Formation and Migration at High Temperatures inB2-Type Fe Aluminides. Physical Review Letters, 1995, 75, 97-100.	7.8	179
5	Nanocrystalline materials: a way to solids with tunable electronic structures and properties?. Acta Materialia, 2001, 49, 737-745.	7.9	160
6	Atomic Structure and Structural Stability of Sc ₇₅ Fe ₂₅ Nanoglasses. Nano Letters, 2012, 12, 458-463.	9.1	143
7	Diffusion in Nanocrystalline Metals and Alloys—A Status Report. Advanced Engineering Materials, 2003, 5, 365-372.	3.5	112
8	Magnetic properties of nanocrystalline nickel. Scripta Materialia, 1992, 1, 523-529.	0.5	95
9	Thermal vacancies and positron-lifetime measurements inFe76.3Al23.7. Physical Review B, 1990, 41, 11869-11874.	3.2	92
10	Effect of dipolar and exchange interactions on magnetic blocking of maghemite nanoparticles. Journal of Magnetism and Magnetic Materials, 2011, 323, 1998-2004.	2.3	92
11	Thermal formation of vacancies in TiAl. Physical Review B, 1994, 49, 6457-6461.	3.2	81
12	Positron lifetime spectroscopy in nanocrystalline iron. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 119, 370-374.	2.1	80
13	Characterization of radiation-induced lattice vacancies in intermetallic compounds by means of positron-lifetime studies. Physical Review B, 1996, 54, 849-856.	3.2	78
14	Absolute concentration of free volume-type defects in ultrafine-grained Fe prepared by high-pressure torsion. Scripta Materialia, 2010, 63, 452-455.	5.2	77
15	Nanometre-sized solids, their structure and properties. Journal of the Less Common Metals, 1988, 140, 161-169.	0.8	68
16	Time-Differential Length Change Measurements for Thermal Defect Investigations: Intermetallic B2-FeAl and B2-NiAl Compounds, a Case Study. Physical Review Letters, 1999, 82, 948-951.	7.8	68
17	High-temperature atomic defect properties and diffusion processes in intermetallic compounds. Intermetallics, 1999, 7, 277-287.	3.9	65
18	Distribution of internal strains in nanocrystalline Pd studied by x-ray diffraction. Journal of Applied Physics, 1997, 81, 7186-7192.	2.5	64

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19	Thermal Vacancy Formation and Self-Diffusion in IntermetallicFe3SiNanocrystallites of Nanocomposite Alloys. Physical Review Letters, 1997, 79, 4918-4921.	7.8	64
20	Bulk Nanostructured Functional Materials By Severe Plastic Deformation. Advanced Engineering Materials, 2010, 12, 692-700.	3.5	64
21	Direct Experimental Determination of Grain Boundary Excess Volume in Metals. Physical Review Letters, 2012, 108, 055504.	7.8	62
22	Self-diffusion in high-density nanocrystalline Fe. Scripta Materialia, 1999, 12, 681-684.	0.5	59
23	Defects in semiconductors after electron irradiation or in high-temperature thermal equilibrium, as studied by positron annihilation. Journal of Physics Condensed Matter, 1989, 1, SA33-SA48.	1.8	58
24	Interfacial free volumes in ultra-fine grained metals prepared by severe plastic deformation, by spark erosion, or by crystallization of amorphous alloys. Scripta Metallurgica Et Materialia, 1991, 25, 2451-2456.	1.0	51
25	Grain boundary excess volume and defect annealing of copper after high-pressure torsion. Acta Materialia, 2014, 68, 189-195.	7.9	51
26	Magnetic properties of high purity nanocrystalline nickel. Scripta Materialia, 1995, 6, 925-928.	0.5	50
27	Microstructure and vacancy-type defects in high-pressure torsion deformed Al–Cu–Mg–Mn alloy. Scripta Materialia, 2009, 61, 383-386.	5.2	48
28	Spin-glass freezing of maghemite nanoparticles prepared by microwave plasma synthesis. Journal of Applied Physics, 2012, 111, .	2.5	47
29	Nanocrystalline Metals and Semiconductors Studied by Positron Lifetime Spectroscopy. Physica Status Solidi A, 1987, 102, 119-126.	1.7	46
30	Electrically Tunable Resistance of a Metal. Physical Review Letters, 2006, 96, 156601.	7.8	41
31	Structural free volumes and systematics of positron lifetimes in quasicrystalline decagonal and adjacent crystalline phases of Al-Ni-Co, Al-Cu-Co, and Al-Ni-Fe alloys. Physical Review B, 1995, 52, 6411-6416.	3.2	40
32	Sol–gel synthesis and characterization of single-phase Ni ferrite nanoparticles dispersed in SiO2 matrix. Journal of Alloys and Compounds, 2010, 493, 385-390.	5.5	38
33	Study of an Order-Disorder Phase Transition on an Atomic Scale: The Example of Decagonal Al-Ni-Co Quasicrystals. Physical Review Letters, 2004, 92, 127403.	7.8	36
34	Positron trapping model for point defects and grain boundaries in polycrystalline materials. Physical Review B, 2009, 79, .	3.2	36
35	Adsorption-driven tuning of the electrical resistance of nanoporous gold. Journal of Applied Physics, 2010, 108, .	2.5	34
36	Combined volumetric, energetic and microstructural defect analysis of ECAP-processed nickel. Acta Materialia, 2016, 103, 396-406.	7.9	34

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37	Atomic defects in hexagonal tungsten carbide studied by positron annihilation. Physical Review B, 2000, 61, 5945-5948.	3.2	32
38	Thermal Formation of Vacancies in Intermetallic Compounds. Materials Science Forum, 1992, 105-110, 439-450.	0.3	31
39	<i>InÂSitu</i> Probing of Fast Defect Annealing in Cu and Ni with a High-Intensity Positron Beam. Physical Review Letters, 2010, 105, 146101.	7.8	31
40	The Structure of Nanocrystalline Metals Investigated by Positron Lifetime Spectroscopy. Materials Science Forum, 1987, 15-18, 955-962.	0.3	30
41	Diffusion-reaction model for the trapping of positrons in grain boundaries. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1996, 73, 1489-1501.	0.6	30
42	Diffusion and free volumes in nanocrystalline Pd. Scripta Materialia, 1995, 6, 869-872.	0.5	29
43	Preparation and positron lifetime spectroscopy of nanocrystalline metals. Scripta Materialia, 1993, 2, 55-62.	0.5	28
44	Thermal vacancy formation and positron–vacancy interaction in Ti3Al at high temperatures. Journal of Applied Physics, 1996, 80, 724-728.	2.5	28
45	Interface structure studies by atomic resolution electron microscopy, order–disorder phenomena and atomic diffusion in gas-phase synthesized nanocrystalline solids. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 286, 24-33.	5.6	28
46	Tuneable magnetic susceptibility of nanocrystalline palladium. Applied Physics Letters, 2006, 88, 253103.	3.3	27
47	High-temperature studies of grain boundaries in ultrafine grained alloys by means of positron lifetime. Physical Review B, 2000, 62, 12021-12027.	3.2	26
48	Magnetoâ€lonic Switching of Superparamagnetism. Small, 2019, 15, e1904523.	10.0	26
49	Recrystallization kinetics of ultrafine-grained Ni studied by dilatometry. Journal of Alloys and Compounds, 2011, 509, S309-S311.	5.5	23
50	Magnetic after-effect and approach to ferromagnetic saturation in nanocrystalline iron. Journal of Magnetism and Magnetic Materials, 1995, 146, 117-122.	2.3	22
51	Correlation between the kinetics of the amorphous-to-nanocrystalline transformation and the diffusion in alloys. Journal of Applied Physics, 1996, 80, 747-751.	2.5	22
52	Self-Diffusion in Nanocrystalline Fe and Fe-Rich Alloys. Defect and Diffusion Forum, 2001, 194-199, 1199-1204.	0.4	21
53	Positrons as probes inC60fullerites. Physical Review B, 1992, 45, 12164-12166.	3.2	20
54	Correlation between Interfacial Structure, Tracer Diffusion and Crystal Growth in Nanocrystalline Metals and Alloys. Defect and Diffusion Forum, 1997, 143-147, 1463-1468.	0.4	20

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55	180 Diffusion in nano crystalline ZrO2. Scripta Materialia, 1999, 12, 871-874.	0.5	20
56	Fe diffusion in Nanocrystalline alloys and the influence of Amorphous Intergranular Layers. Scripta Materialia, 1999, 12, 555-558.	0.5	19
57	Magnetization of Feâ€oxide based nanocomposite tuned by surface charging. Physica Status Solidi - Rapid Research Letters, 2011, 5, 150-152.	2.4	19
58	Dilatometry: a powerful tool for the study of defects in ultrafine-grained metals. Journal of Materials Science, 2012, 47, 7921-7925.	3.7	19
59	Free volumes in bulk nanocrystalline metals studied by the complementary techniques of positron annihilation and dilatometry. Physica B: Condensed Matter, 2012, 407, 2670-2675.	2.7	19
60	Thermal Vacancy Formation in Ni ₃ Al and γ-TiAl Compounds Studied by Positron Lifetime and Nearest-Neighbour Bond Models. Materials Science Forum, 1995, 175-178, 295-298.	0.3	18
61	Charging-induced defect formation in Li <i>x</i> CoO2 battery cathodes studied by positron annihilation spectroscopy. Applied Physics Letters, 2013, 102, .	3.3	18
62	Charging of lithium cobalt oxide battery cathodes studied by means of magnetometry. Solid State Ionics, 2016, 293, 64-71.	2.7	18
63	Operando magnetometry on Li x CoO2 during charging/discharging. Journal of Solid State Electrochemistry, 2016, 20, 1491-1496.	2.5	18
64	Structure and glass transition of amorphous Zr65Cu17.5Ni10Al7.5 studied by positron lifetime. Solid State Communications, 1998, 105, 221-224.	1.9	17
65	High temperature Mössbauer effect study of Fe90Zr7B3nanocrystalline alloy. Journal of Physics Condensed Matter, 2005, 17, 3183-3196.	1.8	17
66	Electrochemical cell for <i>in situ</i> electrodeposition of magnetic thin films in a superconducting quantum interference device magnetometer. Review of Scientific Instruments, 2015, 86, 063903.	1.3	17
67	Interface diffusion and amorphous intergranular layers in nanocrystalline Fe90Zr7B3. Journal of Applied Physics, 2004, 95, 5075-5080.	2.5	16
68	SQUID magnetometry combined with in situ cyclic voltammetry: A case study of tunable magnetism of <mml:math <br="" altimg="si0007.gif" xmlns:mml="http://www.w3.org/1998/Math/MathML">overflow="scroll"><mml:mi>13</mml:mi></mml:math> -Fe2O3 nanoparticles. Journal of Magnetism and Magnetic Materials, 2013, 329, 43-48	2.3	16
69	Direct measurement of vacancy relaxation by dilatometry. Applied Physics Letters, 2016, 109, .	3.3	16
70	Continuous monitoring of the bulk oxidation states in LixNi1/3Mn1/3Co1/3O2 during charging and discharging. Applied Physics Letters, 2016, 109, .	3.3	16
71	Reply to the comment by S. Dannefaer et al. on the paper of H. E. Schaefer et al. on ?amorphous hydrogenated silicon studied by positron lifetime spectroscopy?. Applied Physics A: Solids and Surfaces, 1987, 43, 295-296.	1.4	15
72	Phase transformation and interface structure of nanocrystalline ZrO2. Scripta Materialia, 1993, 3, 225-230.	0.5	15

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73	Thermal vacancy formation andD03ordering in nanocrystalline intermetallic(Fe3Si)95Nb5. Physical Review B, 2001, 63, .	3.2	15
74	Electrochemically Tunable Resistance of Nanoporous Platinum Produced by Dealloying. Langmuir, 2016, 32, 7757-7764.	3.5	15
75	Vacancy studies in melt-spun shape memory alloys by positron lifetime measurements. Scripta Metallurgica Et Materialia, 1991, 25, 1875-1878.	1.0	14
76	Free volumes and thermal stability of electro-deposited nanocrystalline Pd. Scripta Materialia, 1997, 9, 615-618.	0.5	14
77	Perturbed-angular-correlation study of electric quadrupole interactions in nanocrystallineZrO2. Physical Review B, 1998, 57, 5177-5181.	3.2	14
78	Chemically sensitive free-volume study of amorphization of Cu60Zr40 induced by cold rolling and folding. Journal of Applied Physics, 2007, 101, 123512.	2.5	14
79	A high-stability non-contact dilatometer for low-amplitude temperature-modulated measurements. Review of Scientific Instruments, 2016, 87, 075116.	1.3	13
80	Charging processes in the cathode LiNi0.6Mn0.2Co0.2O2 as revealed by operando magnetometry. Journal of Power Sources, 2018, 396, 791-795.	7.8	13
81	Sign-inversion of charging-induced variation of electrical resistance of nanoporous platinum. Journal of Applied Physics, 2012, 112, .	2.5	12
82	Free volumes in the quasicrystalline decagonal Al-Cu-Co phase and in the adjacent crystalline phases studied by positron lifetime measurements. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1994, 70, 913-917.	0.6	11
83	Intergranular Melting of Ultrafine Grained Nd2Fe14B Studied by Means of Radiotracer Diffusion. Journal of Materials Science, 2001, 9, 337-341.	1.2	11
84	Grain-boundary diffusion of Nd147 in nanocrystalline Nd2Fe14B. Journal of Applied Physics, 2005, 98, 074314.	2.5	11
85	Microwave plasma synthesis of nano-crystalline YSZ. Physica Status Solidi - Rapid Research Letters, 2007, 1, 107-109.	2.4	11
86	Vacancy-type defects in amorphous and nanocrystalline Al alloys: Variation with preparation route and processing. Scripta Materialia, 2010, 62, 439-442.	5.2	11
87	High-precision isothermal dilatometry as tool for quantitative analysis of precipitation kinetics: case study of dilute Al alloy. Journal of Materials Science, 2019, 54, 5083-5091.	3.7	11
88	Defects in Low-Temperature Electron-Irradiated GaAs Studied by Positrons. Physica Status Solidi A, 1987, 103, 101-105.	1.7	10
89	Quantitative volumetric identification of precipitates in dilute alloys using high-precision isothermal dilatometry. Philosophical Magazine Letters, 2018, 98, 301-309.	1.2	10
90	Precipitation processes in Al–Mg–Si extending down to initial clustering revealed by the complementary techniques of positron lifetime spectroscopy and dilatometry. Journal of Materials Science, 2018, 53, 14657-14665.	3.7	10

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91	Nanoporous Pd1â^'xCox for hydrogen-intercalation magneto-ionics. APL Materials, 2021, 9, .	5.1	10
92	In-Situ Study of the Migration of Grain Boundary Facets in Au Bicrystals under High Driving Forces. Physica Status Solidi A, 1993, 136, 323-336.	1.7	9
93	Nuclear spectroscopy of nanocrystalline metals and alloys. Scripta Materialia, 1995, 6, 93-104.	0.5	9
94	Synthesis of nanoamorphous alloys by particle condensation and compaction. Scripta Materialia, 1995, 6, 377-380.	0.5	9
95	Self-Diffusion in Liquid Interfaces. Physical Review Letters, 2004, 92, 095901.	7.8	9
96	In situ characterization of hydrogen absorption in nanoporous palladium produced by dealloying. Beilstein Journal of Nanotechnology, 2016, 7, 1197-1201.	2.8	9
97	Dealloying progress during nanoporous structure evolution analyzed by <i>in situ</i> resistometry. Physical Chemistry Chemical Physics, 2017, 19, 29880-29885.	2.8	9
98	Diffusion-reaction model for positron trapping and annihilation at spherical extended defects and in precipitate-matrix composites. Physical Review B, 2018, 97, .	3.2	9
99	Operando monitoring of charging-induced defect formation in battery electrodes by positrons. Applied Physics Letters, 2019, 114, 013905.	3.3	9
100	Evolution of superparamagnetism in the electrochemical dealloying process. Journal of Applied Physics, 2020, 128, .	2.5	9
101	Thermal Vacancies and Their Effects in Intermetallic Alloys. Materials Science Forum, 1997, 255-257, 81-85.	0.3	8
102	Structural Stability and High-Temperature Positron Lifetime Study of Mechanically Alloyed Nanocrystalline Pd-Zr. Materials Science Forum, 2000, 343-346, 726-731.	0.3	8
103	Positrons as chemically sensitive probes in interfaces of multicomponent complex materials: Nanocrystalline Fe ₉₀ Zr ₇ B ₃ . International Journal of Materials Research, 2003, 94, 1073-1078.	0.8	8
104	Inâ€situ dispersion of ZrO ₂ nanoâ€particles coated with pentacene. Physica Status Solidi - Rapid Research Letters, 2008, 2, 203-205.	2.4	8
105	Microstructure and vacancy-type defects of high-pressure torsion deformed Al-3 wt%Cu alloy. Journal of Applied Physics, 2012, 112, 103506.	2.5	8
106	In situ monitoring magnetism and resistance of nanophase platinum upon electrochemical oxidation. Beilstein Journal of Nanotechnology, 2013, 4, 394-399.	2.8	8
107	Enhanced magnetic moment of ultrathin Co films measured by in situ electrodeposition in a SQUID. Journal of Magnetism and Magnetic Materials, 2016, 397, 96-100.	2.3	8
108	Structural anisotropy in equal-channel angular extruded nickel revealed by dilatometric study of excess volume. International Journal of Materials Research, 2017, 108, 81-88.	0.3	8

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109	Redox processes in sodium vanadium phosphate cathodes – insights from <i>operando</i> magnetometry. Physical Chemistry Chemical Physics, 2019, 21, 20151-20155.	2.8	8
110	Influence of defects on ionic transport in LiTaO3 $\hat{a} \in$ A study using EXAFS and positron annihilation lifetime spectroscopy. Solid State lonics, 2020, 352, 115355.	2.7	8
111	Vacancy Studies in Melt-Spun Shape Memory Alloys. Materials Science Forum, 1992, 105-110, 1333-1336.	0.3	7
112	Electron microscopy of nanocrystalline BaTiO3. Scripta Materialia, 1997, 9, 619-622.	0.5	7
113	Synthesis and optical properties of organic semiconductor: zirconia nanocomposites. Journal of Nanoparticle Research, 2010, 12, 2541-2551.	1.9	7
114	Positron Lifetime and Annihilation Site in C ₆₀ /C ₇₀ Fullerites. Materials Science Forum, 1992, 105-110, 815-820.	0.3	6
115	Size and Compressibility of Free Volumes in Nanocrystalline Materials. Materials Science Forum, 1992, 105-110, 1337-1340.	0.3	6
116	Size Distribution of Structural Free Volumes in Nanocrystalline Metals. Materials Science Forum, 1994, 175-178, 505-508.	0.3	6
117	Structural and optical properties of nanoparticulate Y2O3:Eu2O3 made by microwave plasma synthesis. Applied Physics A: Materials Science and Processing, 2011, 105, 709-712.	2.3	6
118	Structure and electrical properties of nanoparticulate tungsten oxide prepared by microwave plasma synthesis. Journal of Physics Condensed Matter, 2011, 23, 334206.	1.8	6
119	Influence of high-pressure torsion deformation on the corrosion behaviour of a bioresorbable Mg-based alloy studied by positron annihilation. Biomaterials Science, 2021, 9, 4099-4109.	5.4	6
120	<i>In Situ</i> Study of Nanoporosity Evolution during Dealloying AgAu and CoPd by Grazing-Incidence Small-Angle X-ray Scattering. Journal of Physical Chemistry C, 2022, 126, 4037-4047.	3.1	6
121	Model for the Diffusion-limited ortho—para Conversion of Positronium at Reaction Centres. Zeitschrift Fur Physikalische Chemie, 1995, 192, 47-61.	2.8	5
122	Diffusion and induced magnetic anisotropy in nanocrystalline Fe73.5Si13.5B9Nb3Cu1. Philosophical Magazine Letters, 2004, 84, 531-537.	1.2	5
123	Interfacial free volumes and atomic diffusion in nanostructured solids. , 0, , .		5
124	Search for vacancies in concentrated solid-solution alloys with fcc crystal structure. Physical Review Materials, 2020, 4, .	2.4	5
125	Interaction of oxygen with nanocrystalline metals. Scripta Materialia, 1999, 11, 37-42.	0.5	4
126	In Situ Real-Time Monitoring of Aging Processes in an Aluminum Alloy by High-Precision Dilatometry. Minerals, Metals and Materials Series, 2017, , 669-674.	0.4	4

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127	Kinetics of vacancy annealing upon time-linear heating applied to dilatometry. Journal of Materials Science, 2018, 53, 2758-2765.	3.7	4
128	Nanoporous gold electrodes modified with self-assembled monolayers for electrochemical control of the surface charge. Physical Chemistry Chemical Physics, 2021, 23, 14457-14464.	2.8	4
129	Diffusion in nanocrystalline metals and alloys. Revue De Metallurgie, 1999, 96, 1547-1554.	0.3	3
130	Charge-influenced structural properties of electrically connected platinum nanoparticles. Materials Research Society Symposia Proceedings, 2001, 676, 6.10.1.	0.1	3
131	Thermal Vacancy Formation and Diffusion in Nanocrystalline Materials. Materials Science Forum, 2001, 363-365, 35-39.	0.3	3
132	Self-diffusion behaviour and microstructure of ultrafine-grained Nd2Fe14B with intergranular melting transition. International Journal of Materials Research, 2004, 95, 895-903.	0.8	3
133	Comprehensive defect characterization of different iron samples after severe plastic deformation. Journal of Physics: Conference Series, 2013, 443, 012033.	0.4	3
134	Defects and Charging Processes in Li-Ion Battery Cathodes Studied by Operando Magnetometry and Positron Annihilation. Materials Science Forum, 2016, 879, 2125-2130.	0.3	3
135	Single grain analysis on a nanoscale in ZrO2:Al2O3nano-composites by means of high-resolution scanning transmission electron Microscopy. Materials Research Express, 2016, 3, 125009.	1.6	3
136	Internal stress and defect-related free volume in submicrocrystalline Ni studied by neutron difference dilatometry. Philosophical Magazine Letters, 2017, 97, 450-458.	1.2	3
137	Hydrogen-induced plasticity in nanoporous palladium. Beilstein Journal of Nanotechnology, 2018, 9, 3013-3024.	2.8	3
138	Structural Stability and High-Temperature Positron Lifetime Study of Mechanically Alloyed Nanocrystalline Pd-Zr. Journal of Metastable and Nanocrystalline Materials, 2000, 8, 726-731.	0.1	2
139	Intermetallics: Point Defects. , 2001, , 4237-4243.		2
140	Thermal and Dynamic Properties. , 2006, , 311-430.		2
141	Chemical Sensitive Positron-Annihilation Study of Amorphization and Nanocrystallization Processes by Repeated Roll Bonding. Materials Science Forum, 2008, 584-586, 209-214.	0.3	2
142	Defects in Al-3wt%Cu after High-pressure Torsion Studied by Two-dimensional Doppler Broadening Spectroscopy. Physics Procedia, 2012, 35, 10-15.	1.2	2
143	Enhanced Charging-Induced Resistance Variations of Nanoporous Gold by Dealloying in Neutral Silver Nitrate Solution. Langmuir, 2018, 34, 13110-13115.	3.5	2
144	Process Monitoring of Charging/Discharging of Lithium Ion Battery Cathodes byÂOperando SQUID Magnetometry. , 2018, , 849-855.		2

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145	Positron trapping and annihilation at interfaces between matrix and cylindrical or spherical precipitates modeled by diffusion-reaction theory. AIP Conference Proceedings, 2019, , .	0.4	2
146	Adsorption and desorption of self-assembled L-cysteine monolayers on nanoporous gold monitored by in situ resistometry. Beilstein Journal of Nanotechnology, 2019, 10, 2275-2279.	2.8	2
147	Preparation And Sintering Studies Of Nanometer-Sized Polycrystalline ZrO2. Materials Research Society Symposia Proceedings, 1991, 238, 733.	0.1	1
148	Atomic Defects in Intermetallic Compounds and Diffusion Processes. Materials Research Society Symposia Proceedings, 1998, 527, 123.	0.1	1
149	Characterization of free volumes in amorphous and nanostructured Pr2Fe14B using positron lifetime spectroscopy. Physica Status Solidi A, 2003, 198, 204-209.	1.7	1
150	Self-Diffusion of 147Nd in Nanocrystalline Nd2Fe14B. , 2005, , 767-772.		1
151	Recent progress in dilatometry for quantitative analysis of precipitation kinetics. IOP Conference Series: Materials Science and Engineering, 2019, 580, 012052.	0.6	1
152	Diffusion-drift-reaction model for positron trapping and annihilation at interfaces with space charge in bulk materials. Philosophical Magazine, 2020, 100, 379-397.	1.6	1
153	In situ monitoring of artificial aging and solution heat treatment of a commercial Al–Mg–Si alloy with a high intensity positron beam. Journal of Physics Condensed Matter, 2020, 32, 085705.	1.8	1
154	Modelling Dilatometry Data of Isothermal ï‰-Phase Formation in a Strongly β-Stabilised TiV-Alloy. Materials Science Forum, 0, 1016, 1851-1856.	0.3	1
155	Electrochemical switching of positronium triplet quenching. Physical Chemistry Chemical Physics, 2021, 23, 25278-25283.	2.8	1
156	Operando SQUID Magnetometry for the Characterization of Electrochemical Systems: Charge Transfer in Battery Materials and Electrochemical Dealloying Processes. ECS Meeting Abstracts, 2021, MA2021-02, 1494-1494.	0.0	1
157	Water intake of cellulose materials monitored by positron annihilation lifetime spectroscopy. Cellulose, 2022, 29, 1357-1363.	4.9	1
158	Diffusion in Nanocrystalline Metallic Materials. , 0, , 501-517.		1
159	Positron state and Lifetime in C60/C70 Fullerites. Materials Research Society Symposia Proceedings, 1992, 270, 311.	0.1	0
160	Bonding of thin-film gold bicrystals in the presence of light impurities as studied by electron microscopy and ion beam analysis. Scripta Metallurgica Et Materialia, 1994, 31, 1537-1542.	1.0	0
161	Continuous amorphization of Cu–Zr studied by positron lifetime and twoâ€dimensional Doppler broadening measurements. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 3502-3505.	0.8	0
162	Positron annihilation studies of HPT deformed aluminium alloys. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2313-2315.	0.8	0

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163	Disordered and Frustrated Magnetization in Coated MnFe ₂ O ₄ Nanoparticles Prepared by Microwave Plasma Synthesis. Solid State Phenomena, 2019, 289, 127-133.	0.3	0
164	Identification of different positron trapping sites during artificial aging of a commercial light weight alloy. AIP Conference Proceedings, 2019, , .	0.4	0
165	Operando Monitoring of Charging Processes in Battery Cathodes by Magnetometry and Positron Annihilation. Materials Science Forum, 0, 1016, 1647-1652.	0.3	0
166	Positrons as chemically sensitive probes in interfaces of multicomponent complex materials: Nanocrystalline Fe90Zr7B3. International Journal of Materials Research, 2022, 94, 1073-1078.	0.3	0
167	Self-diffusion behaviour and microstructure of ultrafine-grained Nd ₂ Fe ₁₄ B with intergranular melting transition. International Journal of Materials Research, 2022, 95, 895-903.	0.3	0