

# João Guilherme Martins Correia

## List of Publications by Year in descending order

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167  
papers

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236833

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168  
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times ranked

2077  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perturbed Angular Correlation Technique at ISOLDE/CERN Applied for Studies of Hydrogenated Titanium Dioxide (TiO <sub>2</sub> ): Observation of Cd-H Pairs. Crystals, 2022, 12, 756.	1.0	0
2	Direct evidence of Be as an amphoteric dopant in GaN. Physical Review B, 2022, 105, .	1.1	2
3	Free Molecule Studies by Perturbed $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{a}^\sim \langle \text{mml:mtext} \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Angular Correlation: A New Path to Accurate Nuclear Quadrupole Moments. Physical Review Letters, 2021, 126, 103001.	2.9	15
4	Group Theory Analysis to Study Phase Transitions of Quasi-2D Sr3Hf2O7. Nanomaterials, 2021, 11, 897. A reference compound for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e304" altimg="si117.svg"} \langle \text{mml:msup} \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle 199 \text{m} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ Hg perturbed angular	1.9	5
5	correlation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e312" altimg="si10.svg"} \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -rays spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated	0.7	2
6	Lattice Location Studies of the Amphoteric Nature of Implanted Mg in GaN. Advanced Electronic Materials, 2021, 7, 2100345.	2.6	4
7	The electric field gradient as a signature of the binding and the local structure of adatoms on graphene. Applied Physics A: Materials Science and Processing, 2021, 127, 1. First $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$	1.1	2
8	-decay spectroscopy of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{In} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mtext} \rangle 135 \langle \text{mml:mtext} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ and new $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -decay branches	1.1	5
9	of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{In} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mtext} \rangle 135 \langle \text{mml:mtext} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ Direct Structural Identification and Quantification of the Split-Vacancy Configuration for Implanted Sn in Diamond. Physical Review Letters, 2020, 125, 045301.	2.9	13
10	Lattice sites of implanted Na in GaN and AlN in comparison to other light alkalis and alkaline earths. Journal of Applied Physics, 2020, 128, 045703.	1.1	5
11	Local inhomogeneous state in multiferroic SmCrO <sub>3</sub> . Scientific Reports, 2020, 10, 4686.	1.6	16
12	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ca} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle 3 \langle \text{mml:math} \rangle$ structural path unraveled by atomic-scale properties: A combined experimental and <i>ab initio</i> study. Physical Review B, 2020, 101, 040407.	1.1	12
13	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ca} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle 2 \langle \text{mml:math} \rangle$ structural path: Following the negative thermal expansion at the local scale. Physical Review B, 2020, 102, 040407.	1.1	7
14	Hg adatoms on graphene: A first-principles study. JPhys Materials, 2020, 4, 015002.	1.8	0
15	Lattice location study of low-fluence ion-implanted <sup>124</sup> In in 3C-SiC. Journal of Applied Physics, 2019, 125, 215706.	1.1	1
16	Alternative approach to populate and study the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Th} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mtext} \rangle 229 \langle \text{mml:mtext} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ nuclear clock isomer. Physical Review C, 2019, 100, .	1.1	19
17	Studying electronic properties in GaN without electrical contacts using $\hat{I}^3 \hat{I}^3$ vs $\hat{a}^\sim \hat{I}^3$ Perturbed Angular Correlations. Scientific Reports, 2019, 9, 15734.	1.6	4
18	Thermal stability of interstitial and substitutional Mn in ferromagnetic (Ga,Mn)As. Physical Review B, 2019, 100, .	1.1	1

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19	Engineering strain and conductivity of MoO <sub>3</sub> by ion implantation. <i>Acta Materialia</i> , 2019, 169, 15-27.	3.8	19
20	$\hat{I}^2$ decay of In <sup>133</sup> : $\hat{I}^3$ emission from neutron-unbound states in Sn <sup>133</sup> . <i>Physical Review C</i> , 2019, 99, .	1.1	9
21	Strain detection in crystalline heterostructures using bidimensional blocking patterns of channelled particles. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 115304.	1.3	3
22	Lattice sites of ion-implanted Mn, Fe and Ni in 6H-SiC. <i>Semiconductor Science and Technology</i> , 2018, 33, 015021.	1.0	2
23	Ultra sensitive quantification of Hg <sup>2+</sup> sorption by functionalized nanoparticles using radioactive tracker spectroscopy. <i>Microchemical Journal</i> , 2018, 138, 418-423.	2.3	6
24	Lattice Location of Mg in GaN: A Fresh Look at Doping Limitations. <i>Physical Review Letters</i> , 2017, 118, 095501.	2.9	39
25	Lattice location of implanted transition metals in 3C-SiC. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 215101.	1.3	2
26	Lattice location of implanted Co in heavily doped n <sup>+</sup> and p <sup>+</sup> -type silicon. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	0
27	TDPAC and $\hat{I}^2$ -NMR applications in chemistry and biochemistry. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 064003.	1.4	19
28	In and Cd as defect traps in titanium dioxide. <i>Hyperfine Interactions</i> , 2017, 238, 1.	0.2	15
29	Nanosecond Dynamics at Protein Metal Sites: An Application of Perturbed Angular Correlation (PAC) of $\hat{I}^3$ -Rays Spectroscopy. <i>Accounts of Chemical Research</i> , 2017, 50, 2225-2232.	7.6	7
30	The solid state physics programme at ISOLDE: recent developments and perspectives. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 104001.	1.4	32
31	Evidence of tetragonal distortion as the origin of the ferromagnetic ground state in $\hat{I}^{3d}$ Fe nanoparticles. <i>Physical Review B</i> , 2017, 96, .	1.1	1
32	The <sup>68m</sup> Cu/ <sup>68</sup> Cu isotope as a new probe for hyperfine studies: The nuclear moments. <i>Europhysics Letters</i> , 2016, 115, 62002.	0.7	7
33	Drawing the geometry of 3d transition metal-boron pairs in silicon from electron emission channeling experiments. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2016, 371, 59-62.	0.6	3
34	Lattice sites of Na dopants in ZnO. <i>Semiconductor Science and Technology</i> , 2016, 31, 095005.	1.0	6
35	The quadrupole moments of Cd and Zn isotopes - an apology. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.2	12
36	Direct observation of the lattice sites of implanted manganese in silicon. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	4

#	ARTICLE	IF	CITATIONS
37	Identification of the interstitial Mn site in ferromagnetic (Ga,Mn)As. Applied Physics Letters, 2015, 106, .	1.5	7
38	Local symmetry lowering in CdMn <sub>2</sub> O <sub>4</sub> spinel. Journal of Applied Physics, 2014, 116, 223907.	1.1	10
39	Influence of the doping on the lattice sites of Fe in Si. , 2014, , .		0
40	Lattice location and thermal stability of implanted nickel in silicon studied by on-line emission channeling. Journal of Applied Physics, 2014, 115, .	1.1	14
41	Doping of Ga <sub>2</sub> O <sub>3</sub> bulk crystals and NWs by ion implantation. Proceedings of SPIE, 2014, , .	0.8	12
42	Origin of the lattice sites occupied by implanted Co in Si. Semiconductor Science and Technology, 2014, 29, 125006.	1.0	4
43	Perturbed Angular Correlation Study of the Static and Dynamic Aspects of Cadmium and Mercury Atoms Inside and Attached to a C <sub>60</sub> Fullerene Cage. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 611-618.	0.7	2
44	Local probe studies in the weakly Jahn-Teller distorted LaMnO <sub>3</sub> manganite. Physica Status Solidi (B): Basic Research, 2014, 251, 565-568.	0.7	5
45	Hyperfine local probe study of alkaline-earth manganites SrMnO <sub>3</sub> and BaMnO <sub>3</sub> . Journal of Physics Condensed Matter, 2014, 26, 215401.	0.7	8
46	Emission channeling studies on transition-metal doped GaN and ZnO: Cation versus anion substitution. Nuclear Instruments & Methods in Physics Research B, 2014, 332, 143-147.	0.6	3
47	Local probing of multiferroics: First-principles study of hyperfine parameters in YMnO <sub>3</sub> and YMn <sub>2</sub> O <sub>5</sub> . EPJ Web of Conferences, 2014, 75, 09002.	0.1	3
48	Minority anion substitution by Ni in ZnO. Applied Physics Letters, 2013, 103, .	1.5	3
49	Nanostructures and thin films of transparent conductive oxides studied by perturbed angular correlations. Physica Status Solidi (B): Basic Research, 2013, 250, 801-808.	0.7	4
50	A new tool for the search of nuclides with properties suitable for nuclear solid state physics based on the Evaluated Nuclear Structure Data Files. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 726, 17-30.	0.7	10
51	Paramagnetism and antiferromagnetic interactions in single-phase Fe-implanted ZnO. Journal of Physics Condensed Matter, 2013, 25, 416001.	0.7	14
52	Jahn-Teller distortion relaxation across the LaMnO <sub>3</sub> phase diagram. Journal of Physics Condensed Matter, 2013, 25, 385602.	0.7	6
53	Precise lattice location of substitutional and interstitial Mg in AlN. Applied Physics Letters, 2013, 103, .	1.5	10
54	A versatile apparatus for on-line emission channeling experiments. Review of Scientific Instruments, 2013, 84, 073506.	0.6	23

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55	Influence of n+ and p+ doping on the lattice sites of implanted Fe in Si. Journal of Applied Physics, 2013, 114, 103503.	1.1	16
56	Stability and diffusion of interstitial and substitutional Mn in GaAs of different doping types. Physical Review B, 2012, 86, .	1.1	14
57	Evidence of N substitution by Mn in GaN. Physical Review B, 2012, 86, .	1.1	16
58	Lattice position and thermal stability of diluted As in Ge. Journal of Applied Physics, 2012, 111, .	1.1	5
59	Dynamic off-centering of Cr <sup>3+</sup> ions and short-range magneto-electric clusters in CdCr <sub>2</sub> S <sub>4</sub> study of the relation between electric polarization and electric field gradients in ferroelectrics. Physical Review B, 2012, 86, .	1.1	28
60	Damage formation and recovery in Fe implanted 6H- <sup>4</sup> SiC. Nuclear Instruments & Methods in Physics Research B, 2012, 286, 89-92.	0.6	4
61	Nuclear radioactive techniques applied to materials research. Radiochimica Acta, 2012, 100, 127-137.	0.5	6
62	Ion implantation of Cd and Ag into AlN and GaN. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1060-1064.	0.8	9
63	Cd doping of AlN via ion implantation studied with perturbed angular correlation. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1032-1035.	0.8	4
64	Mixed Zn and O substitution of Co and Mn in ZnO. Physical Review B, 2011, 84, .	1.1	23
65	Local distortions in multiferroic AgCrO <sub>2</sub> triangular spin lattice. Physical Review B, 2011, 84, .	1.1	27
66	Tuning pore filling of anodic alumina templates by accurate control of the bottom barrier layer thickness. Nanotechnology, 2011, 22, 315602.	1.3	65
67	Hyperfine interactions in MnAs studied by perturbed angular correlations of <sup>57</sup> Fe-rays using the probe Br <sup>77</sup> . Physical Review B, 2011, 84, .	1.1	10
68	The urea combustion method in the preparation of precursors for high-TC single phase HgBa <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>8</sub> + <sup>δ</sup> superconductors. Physica C: Superconductivity and Its Applications, 2011, 471, 1643-1646.	0.6	8
69	Perturbed Angular Correlations Studies in the HgBa <sub>2</sub> CaCu <sub>2</sub> O <sub>6</sub> + <sup>δ</sup> high-TC Superconductor. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1153-1156.	0.8	0
70	Oxygen ordering in the HgBa <sub>2</sub> CaCu <sub>2</sub> O <sub>6</sub> + <sup>δ</sup> superconductor		
71	CaCu <sub>2</sub> superconductor	1.1	2
72	Direct identification of interstitial Mn in heavily p-type doped GaAs and evidence of its high thermal stability. Applied Physics Letters, 2011, 98, 201905.	1.5	25

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73	Dependence of the half-life of [ <sup>sup 221</sup> ]Fr on the implantation environment. AIP Conference Proceedings, 2010, , .	0.3	1
74	An In-defect complex as a possible explanation for high luminous efficacy of InGaN and AlInN based devices. Hyperfine Interactions, 2010, 197, 187-191.	0.2	8
75	Magnetic hyperfine field at Cr site in AgCrO <sub>2</sub> given by Perturbed angular correlations. Hyperfine Interactions, 2010, 197, 123-128.	0.2	4
76	The quadrupole moments of Zn and Cd isotopes—an update. Hyperfine Interactions, 2010, 198, 133-137.	0.2	20
77	The EFG at sp-impurities in Zn and Cd—a new (final?) look. Hyperfine Interactions, 2010, 197, 11-15.	0.2	2
78	Perturbed angular correlations investigations on YMnO <sub>3</sub> multiferroic manganite. Hyperfine Interactions, 2010, 197, 83-88.	0.2	2
79	First principles calculations of hyperfine parameters on the Ca manganite with substitutional Cd—modeling of a PAC experiment. Journal of Magnetism and Magnetic Materials, 2010, 322, 1170-1173.	1.0	4
80	Lattice location study of ion implanted Sn and Sn-related defects in Ge. Physical Review B, 2010, 81, .	1.1	23
81	Diluted manganese on the bond-centered site in germanium. Applied Physics Letters, 2010, 97, .	1.5	17
82	Lattice location of the group V elements Sb, As, and P in ZnO. Proceedings of SPIE, 2010, , .	0.8	0
83	Perturbed angular correlations investigations on YMnO <sub>3</sub> multiferroic manganite. , 2010, , 83-88.		0
84	Direct evidence for Sb as a Zn site impurity in ZnO. Applied Physics Letters, 2009, 94, .	1.5	48
85	Lattice location study of implanted In in Ge. Journal of Applied Physics, 2009, 105, 083522.	1.1	27
86	Transition Metal Impurities on the Bond-Centered Site in Germanium. Physical Review Letters, 2009, 102, 065502.	2.9	28
87	Rapid Synthesis of Ordered Manganite Nanotubes by Microwave Irradiation in Alumina Templates. Journal of Nanoscience and Nanotechnology, 2009, 9, 6084-6088.	0.9	12
88	Effect of fluence on the lattice site of implanted Er and implantation induced strain in GaN. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1340-1344.	0.6	0
89	Lattice location of the group V elements As and Sb in ZnO. Physica B: Condensed Matter, 2009, 404, 4803-4806.	1.3	10
90	Influence of surface pre-treatment in the room temperature fabrication of nanoporous alumina. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3488-3491.	0.8	16

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91	New Phase Transition in the $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ system using perturbed angular correlation spectroscopy. Physical Review Letters, 2008, 100, 155702.	2.9	87
92	Studies of local fields in the $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ system using perturbed angular correlation spectroscopy. Journal of Non-Crystalline Solids, 2008, 354, 5315-5317.	1.5	4
93	Experimental evidence of tetrahedral interstitial and bond-centered Er in Ge. Applied Physics Letters, 2008, 93, 141907.	1.5	12
94	Amphoteric arsenic in GaN. Applied Physics Letters, 2007, 90, 181934.	1.5	6
95	Arsenic in ZnO and GaN: Substitutional Cation or Anion Sites?. Materials Research Society Symposia Proceedings, 2007, 994, 1.	0.1	2
96	Lattice location of implanted As in ZnO. Superlattices and Microstructures, 2007, 42, 8-13.	1.4	4
97	Study of point defects and phase transitions in undoped and Nb-doped $\text{SrTiO}_3$ using perturbed angular correlations. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 604-607.	0.6	1
98	Alpha-decay half-life of $^{221}\text{Fr}$ in different environments. European Physical Journal A, 2007, 32, 31-34.	1.0	27
99	ISOL beams of hafnium isotopes and isomers. European Physical Journal: Special Topics, 2007, 150, 293-296.	1.2	8
100	EFG calculations for Cu $2s$ compounds. Hyperfine Interactions, 2007, 176, 9-13.	0.2	6
101	Noise and trigger efficiency characterization of cooled silicon pad detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 1056-1064.	0.7	5
102	Stability and luminescence studies of Tm and Er implanted ZnO single crystals. Nuclear Instruments & Methods in Physics Research B, 2006, 242, 580-584.	0.6	25
103	Fe and Cu in Si: Lattice sites and trapping at implantation-related defects. Nuclear Instruments & Methods in Physics Research B, 2006, 253, 167-171.	0.6	20
104	Lattice location and perturbed angular correlation studies of implanted Ag in $\text{SrTiO}_3$ . Nuclear Instruments & Methods in Physics Research B, 2006, 249, 882-885.	0.6	1
105	Lattice sites of implanted Cu and Ag in ZnO. Superlattices and Microstructures, 2006, 39, 229-237.	1.4	20
106	Lattice site location and annealing behavior of implanted Ca and Sr in GaN. Journal of Applied Physics, 2006, 100, 023531.	1.1	8
107	Percolative transition on ferromagnetic insulator manganites: Uncorrelated to correlated polaron clusters. Physical Review B, 2006, 73, .	1.1	29
108	Atomic ordering of the fluorine dopant in the $\text{HgBa}_2\text{CuO}_4$ high-Tc superconductor. Physical Review B, 2005, 72, .	1.1	7

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109	Lattice sites of implanted Fe in Si. Physical Review B, 2005, 72, .	1.1	23
110	Direct Evidence for As as a Zn-Site Impurity in ZnO. Physical Review Letters, 2005, 95, 215503.	2.9	86
111	Recent Emission Channeling Studies in Wide Band Gap Semiconductors. , 2005, , 792-801.		0
112	The $^{181}\text{Hf}/^{181}\text{Ta}$ Probe in the Li and Nb Sites of Congruent $\text{LiNbO}_3$ Co-doped with Mg and Cr Ions Studied by $^{13}\text{C}$ PAC. , 2005, , 323-328.		0
113	Electrical Field Gradient Studies on $\text{La}^{1-x}\text{CdxMnO}_3$ System. , 2005, , 347-351.		0
114	Feasibility of a novel design of high resolution parallax-free Compton enhanced PET scanner dedicated to brain research. Physics in Medicine and Biology, 2004, 49, 2547-2562.	1.6	58
115	Lattice location and stability of implanted Cu in ZnO. Physical Review B, 2004, 69, .	1.1	40
116	Influence of O and C co-implantation on the lattice site of Er in GaN. Applied Physics Letters, 2004, 84, 4304-4306.	1.5	15
117	Annealing of $\text{BaTiO}_3$ thin films after heavy ion implantation. Nuclear Instruments & Methods in Physics Research B, 2004, 216, 110-115.	0.6	0
118	Electrical Field Gradient Studies on $\text{La}^{1-x}\text{CdxMnO}_3$ System. , 2005, , 347-351.	0.2	3
119	The $^{181}\text{Hf}/^{181}\text{Ta}$ Probe in the Li and Nb Sites of Congruent $\text{LiNbO}_3$ Co-doped with Mg and Cr Ions Studied by $^{13}\text{C}$ PAC. Hyperfine Interactions, 2004, 158, 323-328.	0.2	3
120	PAC Studies of Implanted $^{111}\text{Ag}$ in Single-Crystalline ZnO. Hyperfine Interactions, 2004, 158, 395-400.	0.2	9
121	Recent Emission Channeling Studies in Wide Band Gap Semiconductors. Hyperfine Interactions, 2004, 159, 363-372.	0.2	9
122	Position-sensitive Si pad detectors for electron emission channeling experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 524, 245-256.	0.7	56
123	PL studies on ZnO single crystals implanted with thulium ions. Superlattices and Microstructures, 2004, 36, 747-753.	1.4	14
124	Local probe studies on $\text{LaMnO}_3$ using the angular correlation technique. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1671-E1673.	1.0	2
125	Perturbed angular correlation study of $\text{Pr}^{1-x}\text{Ca}_x\text{MnO}_3$ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1667-E1668.	1.0	6
126	Lattice location and thermal stability of implanted Fe in ZnO. Applied Physics Letters, 2004, 85, 4899-4901.	1.5	50



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127	Lattice site and stability of implanted Ag in ZnO. Physica B: Condensed Matter, 2003, 340-342, 240-244.	1.3	23
128	Lattice sites of ion-implanted Cu atoms in diamond. Physica B: Condensed Matter, 2003, 340-342, 89-93.	1.3	2
129	Emission channeling experiments from the decay of $^{60}\text{Co}$ in GaN. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 105, 106-110.	1.7	6
130	Lattice location and optical activation of rare earth implanted GaN. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 105, 132-140.	1.7	44
131	Oxide fiber targets at ISOLDE. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 303-313.	0.6	34
132	Lattice location of Fe in diamond. Nuclear Instruments & Methods in Physics Research B, 2003, 206, 941-946.	0.6	12
133	Lattice site location and optical activity of Er implanted ZnO. Nuclear Instruments & Methods in Physics Research B, 2003, 206, 1047-1051.	0.6	66
134	Optical doping of ZnO with Tm by ion implantation. Physica B: Condensed Matter, 2003, 340-342, 235-239.	1.3	30
135	Lattice location and stability of implanted Cu in Ge. Physica B: Condensed Matter, 2003, 340-342, 799-802.	1.3	5
136	Implantation site of rare earths in single-crystalline ZnO. Applied Physics Letters, 2003, 82, 1173-1175.	1.5	55
137	Optical activity and damage recovery of erbium implanted strontium titanate. Radiation Effects and Defects in Solids, 2002, 157, 1071-1076.	0.4	5
138	Lattice Site Location Studies of Rare-Earths Implanted in ZnO Single-Crystals. Materials Research Society Symposia Proceedings, 2002, 744, 1.	0.1	0
139	Lattice location of implanted Ag in Si. Nuclear Instruments & Methods in Physics Research B, 2002, 190, 543-546.	0.6	12
140	Surface quality studies of high-Tc superconductors of the Hg-, Tl- and Hg <sub>x</sub> Tl <sub>1-x</sub> -families: RBS and resonant C and O backscattering studies. Nuclear Instruments & Methods in Physics Research B, 2002, 190, 673-678.	0.6	1
141	Erbium implantation in strontium titanate. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 317-322.	0.6	5
142	High temperature annealing of Er implanted GaN. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 81, 132-135.	1.7	13
143	$^{80}\text{mBr}/^{80}\text{Br}$ – A New Electron-Gamma PAC Probe. Hyperfine Interactions, 2001, 136/137, 155-159.	0.2	0
144	Hyperfine Fields at the Cd Site in La <sub>0.67</sub> Cd <sub>0.25</sub> MnO <sub>3</sub> CMR Manganites. Hyperfine Interactions, 2001, 133, 89-94.	0.2	8

#	ARTICLE	IF	CITATIONS
145	Direct evidence for implanted Fe on substitutional Ga sites in GaN. Applied Physics Letters, 2001, 78, 3217-3219.	1.5	21
146	Local probing of Hg neighborhood in HgBa <sub>2</sub> CuO <sub>4</sub> + $\delta$ . Physica C: Superconductivity and Its Applications, 2000, 341-348, 1969-1972.	0.6	0
147	Electron $\gamma$ perturbed angular correlation studies on high-Tc superconductors. , 2000, 129, 461-473.		0
148	Lattice location of implanted Cu in highly doped Si. Applied Physics Letters, 2000, 77, 2142-2144.	1.5	25
149	Emission channeling studies of Pr in GaN. Journal of Applied Physics, 2000, 88, 1319-1324.	1.1	51
150	Local $\gamma$ probing in the high-Tc superconductor HgBa <sub>2</sub> CuO <sub>4</sub> + $\delta$ . Physical Review B, 2000, 61, 11769-11775.	1.1	10
151	Lattice Location and Stability of Ion Implanted Cu in Si. Physical Review Letters, 2000, 84, 1495-1498.	2.9	59
152	Er $\gamma$ clustering and its influence on the lattice sites of Er in Si. Physica B: Condensed Matter, 1999, 273-274, 342-345.	1.3	4
153	Lattice location of implanted Cu in Si. Physica B: Condensed Matter, 1999, 273-274, 367-370.	1.3	13
154	On-line perturbed angular correlation studies with the short lived <sup>127</sup> Cs probe. Nuclear Instruments & Methods in Physics Research B, 1999, 152, 357-364.	0.6	3
155	The influence of oxygen on the lattice sites of rare earths in silicon. Journal of Luminescence, 1998, 80, 303-307.	1.5	9
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159	Hydrogen passivation of cd acceptors in III $\gamma$ V semiconductors studied by PAC spectroscopy. Solid State Communications, 1995, 93, 425-430.	0.9	9
160	Time dependent electrical properties of GaAs doped with radioactive isotopes <sup>67</sup> Ga and <sup>71</sup> As. Nuclear Instruments & Methods in Physics Research B, 1995, 106, 267-270.	0.6	4
161	A four-detector spectrometer for $\gamma$ PAC on-line with the ISOLDE-CERN isotope separator. Nuclear Instruments & Methods in Physics Research B, 1995, 99, 645-648.	0.6	25
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163	Electric-field gradients at the $^{111}\text{In}$ and $^{111}\text{Cd}$ sites in undoped and Mg-doped $\text{LiNbO}_3$ . <i>Physical Review B</i> , 1995, 51, 6208-6214.	1.1	21
164	Hyperfine fields of mercury in single-crystalline cobalt. <i>Journal of Applied Physics</i> , 1994, 76, 6906-6908.	1.1	5
165	The lattice site of Au in Be after 24 h $^{197}\text{mHg}$ isotope implantation and decay. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1994, 85, 457-461.	0.6	1
166	$^{73}\text{Ge}$ : a new high resolution PAC probe. <i>Hyperfine Interactions</i> , 1993, 80, 1321-1327.	0.2	16
167	Hyperfine interactions and Rutherford backscattering studies of Cd and Hg in CdTe single crystals and thin films. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1992, 63, 248-253.	0.6	7