

Ryoichi Suzuki

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.

315
papers

4,699
citations

34
h-index

51
g-index

324
ext. papers

4,958
ext. citations

2.5
avg, IF

4.71
L-index

#	Paper	IF	Citations
315	Newly constructed compact accelerator-based neutron facility at AIST. <i>EPJ Web of Conferences</i> , 2020 , 231, 01002	0.3	1
314	Design and construction of an electron accelerator for a pulsed neutron facility at AIST. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 464, 41-44	1.2	3
313	Design of a compact electron accelerator-driven pulsed neutron facility at AIST. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 927, 407-418	1.2	7
312	Gettering of Cu in self-ion irradiated silicon studied by positron annihilation spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 096501	1.4	3
311	Performance evaluation of polyamide TFC membranes: Effects of free volume properties on boron transport. <i>Desalination</i> , 2018 , 432, 104-114	10.3	13
310	Characterization of pore size distribution (PSD) in cellulose triacetate (CTA) and polyamide (PA) thin active layers by positron annihilation lifetime spectroscopy (PALS) and fractional rejection (FR) method. <i>Journal of Membrane Science</i> , 2017 , 527, 143-151	9.6	33
309	Study on Bose-Einstein condensation of positronium. <i>Journal of Physics: Conference Series</i> , 2017 , 791, 012007	0.3	3
308	Detection of re-emission positrons on metal surfaces during slow positron measurements. <i>Journal of Physics: Conference Series</i> , 2017 , 791, 012035	0.3	
307	Time-resolved positron annihilation spectroscopy study of relaxation dynamics of ion damage in fused quartz. <i>Materials Research Express</i> , 2016 , 3, 055201	1.7	
306	Hole size distributions in cardo-based polymer membranes deduced from the lifetimes of ortho-positronium. <i>Journal of Physics: Conference Series</i> , 2016 , 674, 012017	0.3	4
305	Development of an X-ray tube for irradiation experiments using a field emission electron gun. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 807, 41-46	1.2	4
304	Stable and high current density electron emission using coniferous carbon nano-structured emitter. <i>Diamond and Related Materials</i> , 2015 , 55, 41-44	3.5	4
303	Probing the internal structure of reverse osmosis membranes by positron annihilation spectroscopy: Gaining more insight into the transport of water and small solutes. <i>Journal of Membrane Science</i> , 2015 , 486, 106-118	9.6	89
302	Effect of heat treatment on fouling resistance and the rejection of small and neutral solutes by reverse osmosis membranes. <i>Water Science and Technology: Water Supply</i> , 2015 , 15, 510-516	1.4	14
301	Reduction of helium loss from a superconducting accelerating cavity during initial cool-down and cryostat exchange by pre-cooling the re-condensing cryostat. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015 , 776, 82-84	1.2	
300	Free Volume Profiles at Polymer/Solid Interfaces Probed by Focused Slow Positron Beam. <i>Macromolecules</i> , 2015 , 48, 1493-1498	5.5	8
299	Fabrication and low-power RF test of C-band RF gun. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 331, 27-30	1.2	1

298	Residual defects in low-dose arsenic-implanted silicon after high-temperature annealing. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 321, 54-58	1.2	5
297	Structural defects and positronium formation in 40 keV B(+)-implanted polymethylmethacrylate. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 4194-200	3.4	19
296	Characterization of polyethylene terephthalate films coated with thin Al _x Si _{1-x} O _y layers using monoenergetic positron beams. <i>Thin Solid Films</i> , 2014 , 552, 82-85	2.2	1
295	(Invited) Point Defect Characterization of Group-III Nitrides by Using Monoenergetic Positron Beams. <i>ECS Transactions</i> , 2014 , 61, 19-30	1	11
294	Photon-induced positron annihilation lifetime spectroscopy using an S-band compact electron linac. <i>Radiation Physics and Chemistry</i> , 2014 , 95, 30-33	2.5	4
293	Positron annihilation in cardo-based polymer membranes. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 6007-14	3.4	19
292	Defects in nitride-based semiconductors probed by positron annihilation. <i>Journal of Physics: Conference Series</i> , 2014 , 505, 012009	0.3	1
291	Evaluation of vacancies in positive-tone non-chemically and chemically amplified EUV / EB resists: relationship between free-volume and LER 2014 ,		1
290	Digitized detection of gamma-ray signals concentrated in narrow time windows for transient positron annihilation lifetime spectroscopy. <i>Review of Scientific Instruments</i> , 2014 , 85, 123110	1.7	2
289	Development of a compact and fast response detector using an Yb:Lu ₂ O ₃ scintillator for lifetime sensitive positron emission tomography. <i>Journal of Instrumentation</i> , 2014 , 9, C05036-C05036	1	1
288	Vacancy-type defects induced by grinding of Si wafers studied by monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2014 , 116, 134501	2.5	10
287	Structural and defect characterization of Gd-doped GaN films by X-ray diffraction and positron annihilation. <i>Journal of Physics: Conference Series</i> , 2014 , 505, 012023	0.3	1
286	Rejection of small and uncharged chemicals of emerging concern by reverse osmosis membranes: The role of free volume space within the active skin layer. <i>Separation and Purification Technology</i> , 2013 , 116, 426-432	8.3	39
285	Possible presence of hydrophilic SO ₃ H nanoclusters on the surface of dry ultrathin Nafion [®] films: a positron annihilation study. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 1518-25	3.6	34
284	Radiation damage in nanocrystalline Ni under irradiation studied using positron annihilation spectroscopy. <i>Journal of Nuclear Materials</i> , 2013 , 442, S856-S860	3.3	8
283	Vacancy-type defects in In _x Ga _{1-x} N grown on GaN templates probed using monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2013 , 114, 184504	2.5	11
282	On determining the entrance size of cage-like pores in mesoporous silica films by positron annihilation lifetime spectroscopy. <i>Chemical Physics Letters</i> , 2013 , 590, 97-100	2.5	10
281	Vacancy-type defects introduced by plastic deformation of GaN studied using monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2013 , 114, 084506	2.5	8

280	Development of a sample chamber with humidity control for an atmospheric positron probe microanalyzer. <i>Journal of Physics: Conference Series</i> , 2013 , 443, 012090	0.3	1
279	Vacancy reactions near the interface between electroplated Cu and barrier metal layers studied by monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2013 , 114, 074510	2.5	3
278	Characterization of Porous Structures in Advanced Low-kFilms with Thin TaN Layers Using Monoenergetic Positron Beams. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 106501	1.4	5
277	Positron Annihilation Spectroscopy on Nitride-Based Semiconductors. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 08JJ02	1.4	20
276	In-situ positron lifetime spectroscopy of radiation damage by simultaneous irradiation of slow-positron and ion beams. <i>Journal of Physics: Conference Series</i> , 2013 , 443, 012043	0.3	4
275	Material characterization for advanced Si LSI process technology by means of positron annihilation. <i>Journal of Physics: Conference Series</i> , 2013 , 443, 012067	0.3	1
274	Vacancy profile in reverse osmosis membranes studied by positron annihilation lifetime measurements and molecular dynamics simulations. <i>Journal of Physics: Conference Series</i> , 2013 , 443, 012050	0.3	6
273	Monte Carlo simulations of the extraction of slow positrons into gas through thin SiN windows. <i>Journal of Physics: Conference Series</i> , 2013 , 443, 012069	0.3	1
272	Tailoring the chain packing in ultrathin polyelectrolyte films formed by sequential adsorption: nanoscale probing by positron annihilation spectroscopy. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19808-19	16.4	21
271	Development of a Slow Positron Beam System for in-situ Lifetime Measurements During Ion Beam Irradiation. <i>Physics Procedia</i> , 2012 , 35, 111-116		5
270	Variable-energy Positron Study of Nanopore Structure in HydrocarbonSiliconoxide Hybrid PECVD Films. <i>Physics Procedia</i> , 2012 , 35, 140-144		8
269	Temperature Dependence of Defects in Hydrogen-Implanted Silicon Characterized by Positron and Ion-Beam Analyses. <i>Physics Procedia</i> , 2012 , 35, 151-156		1
268	Native cation vacancies in Si-doped AlGaN studied by monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2012 , 111, 013512	2.5	45
267	Role of pore morphology in positronium diffusion in mesoporous silica thin films and in positronium emission from the surfaces. <i>Physical Review B</i> , 2012 , 86,	3.3	35
266	Subnanoscopic Holes in Composite Membranes for Desalination Elucidated by Energy-Tunable Positron Annihilation. <i>Kobunshi Ronbunshu</i> , 2012 , 69, 443-447	0	5
265	Argon Plasma Decomposition of Porogen in Mesoporous Silica Films Studied by Positron Annihilation. <i>Materials Science Forum</i> , 2012 , 733, 193-196	0.4	
264	Production and Applications of Intense Pulsed, Slow Positron Beams. <i>Defect and Diffusion Forum</i> , 2012 , 331, 75-91	0.7	4
263	Recent Developments and Future Plans for the Accelerator Based Slow Positron Facilities at AIST. <i>Materials Science Forum</i> , 2012 , 733, 285-290	0.4	7

262	Study of Thin Nafion [®] Films for Fuel Cells Using Energy Variable Slow Positron Annihilation Spectroscopy. <i>Materials Science Forum</i> , 2012 , 733, 57-60	0.4	
261	Vacancy-Type Defects Introduced by Gas Cluster Ion-Implantation on Si Studied by Monoenergetic Positron Beams. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 111801	1.4	2
260	Free volume change of elongated polyethylene films studied using a positron probe microanalyzer. <i>Applied Physics Letters</i> , 2012 , 101, 203108	3.4	8
259	In-situ characterization of free-volume holes in polymer thin films under controlled humidity conditions with an atmospheric positron probe microanalyzer. <i>Applied Physics Letters</i> , 2012 , 101, 014102 ^{3,4}	2 ^{3,4}	21
258	Vacancy clustering and its dissociation process in electroless deposited copper films studied by monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2012 , 111, 104506	2.5	10
257	Layer Structures of Composite Membranes for Water Filtration Elucidated by Variable-Energy Positron Annihilation. <i>Materials Science Forum</i> , 2012 , 733, 45-48	0.4	2
256	Vacancy-Type Defects Introduced by Gas Cluster Ion-Implantation on Si Studied by Monoenergetic Positron Beams. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 111801	1.4	3
255	Pore size determination of TEMPO-oxidized cellulose nanofibril films by positron annihilation lifetime spectroscopy. <i>Biomacromolecules</i> , 2011 , 12, 4057-62	6.9	93
254	Simulations of slow positron production using a low-energy electron accelerator. <i>Review of Scientific Instruments</i> , 2011 , 82, 063302	1.7	12
253	Development of a dedicated superconducting accelerator for positron production. <i>Journal of Physics: Conference Series</i> , 2011 , 262, 012043	0.3	6
252	Application of positron annihilation technique to front and backend processes for modern LSI devices. <i>Journal of Physics: Conference Series</i> , 2011 , 262, 012061	0.3	
251	Imaging of the distribution of average positron lifetimes by using a positron probe microanalyzer. <i>Journal of Physics: Conference Series</i> , 2011 , 262, 012044	0.3	7
250	Vacancy evolution in Ni during irradiation at high temperatures studied by in situ positron annihilation spectroscopy. <i>Journal of Physics: Conference Series</i> , 2011 , 262, 012060	0.3	5
249	Defect profiles in ion-irradiated metal samples by slow positron beams in comparison with simulation profiles. <i>Journal of Physics: Conference Series</i> , 2011 , 262, 012029	0.3	8
248	Low energy positron annihilation study of composite reverse osmosis membranes. <i>Journal of Physics: Conference Series</i> , 2011 , 262, 012013	0.3	4
247	Slow Positron Beam Apparatus for Surface and Subsurface Analysis of Samples in Air. <i>Applied Physics Express</i> , 2011 , 4, 066701	2.4	14
246	Depth profiling of defects in ion-implanted Ni and Fe by positron annihilation measurements. <i>Surface and Coatings Technology</i> , 2011 , 206, 834-836	4.4	7
245	Correlation Study between Free-Volume Holes and Molecular Separations of Composite Membranes for Reverse Osmosis Processes by Means of Variable-Energy Positron Annihilation Techniques. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18055-18060	3.8	58

244	High-rate crystallization of polycarbonate in spincoat thin film. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 2148-2153	2.6	4
243	Mesoporous silica films with varying porous volume fraction: Direct correlation between ortho-positronium annihilation decay and escape yield into vacuum. <i>Applied Physics Letters</i> , 2009 , 95, 124103	3.4	19
242	Rapid three-dimensional imaging of defect distributions using a high-intensity positron microbeam. <i>Applied Physics Letters</i> , 2009 , 94, 194104	3.4	38
241	Characterization of Low-k/Cu Damascene Structures Using Monoenergetic Positron Beams. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 120222	1.4	9
240	A positron annihilation lifetime measurement system with an intense positron microbeam. <i>Radiation Physics and Chemistry</i> , 2009 , 78, 1096-1098	2.5	18
239	Point defects in group-III nitride semiconductors studied by positron annihilation. <i>Journal of Crystal Growth</i> , 2009 , 311, 3075-3079	1.6	39
238	Free volume behavior in spincoat thin film of polystyrene by energy variable positron annihilation lifetime spectroscopy. <i>Polymer</i> , 2009 , 50, 3343-3346	3.9	33
237	A variable energy positron annihilation lifetime spectroscopy study of physical aging in thin glassy polymer films. <i>Polymer</i> , 2009 , 50, 6149-6156	3.9	86
236	Effect of UV anneal on plasma CVD low-k film. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2973-2982	3.9	19
235	Temperature-dependent growth and transient state of hydrogen-induced nanocavities in silicon. <i>Journal of Applied Physics</i> , 2008 , 104, 034301	2.5	6
234	Positronium reemission yield from mesostructured silica films. <i>Applied Physics Letters</i> , 2008 , 92, 063114	3.4	62
233	Development of Positron Microbeam in AIST. <i>Materials Science Forum</i> , 2008 , 607, 238-242	0.4	11
232	Brightness enhancement method for a high-intensity positron beam produced by an electron accelerator. <i>Journal of Applied Physics</i> , 2008 , 103, 094916	2.5	48
231	Guiding of a Slow Positron Beam with a Glass Capillary. <i>Materials Science Forum</i> , 2008 , 607, 263-265	0.4	6
230	Orthopositronium annihilation and emission in mesostructured thin silica and silicalite-1 films. <i>Applied Surface Science</i> , 2008 , 255, 187-190	6.7	12
229	Application of positron beams to the study of positronium-forming solids. <i>Applied Surface Science</i> , 2008 , 255, 174-178	6.7	19
228	Evolution of pores in mesoporous silica films: Porogen loading effect. <i>Applied Surface Science</i> , 2008 , 255, 183-186	6.7	12
227	Study of mirror degradation in short-wavelength FELs and recent FEL application experiments on the storage ring NIJI-IV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 593, 17-20	1.2	

226	Annihilation characteristics of positrons in free-standing thin metal and polymer films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 750-754	1.2	0
225	Tunable pores in mesoporous silica films studied using a pulsed slow positron beam. <i>Radiation Physics and Chemistry</i> , 2007 , 76, 204-208	2.5	23
224	Variable-energy positron annihilation study of subnanopores in SiOCH-based PECVD films. <i>Radiation Physics and Chemistry</i> , 2007 , 76, 213-216	2.5	19
223	Positronium formation in fused quartz: Experimental evidence of delayed formation. <i>Radiation Physics and Chemistry</i> , 2007 , 76, 330-332	2.5	5
222	Study of high-k gate dielectrics by means of positron annihilation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007 , 4, 3599-3604		
221	Design of a liquidless superconducting accelerator for positron annihilation lifetime spectroscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007 , 4, 4023-4027		3
220	Development of a Na-22 based pulsed slow positron beam for depth-selective PALS. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007 , 4, 4020-4022		11
219	Studying conductive polymer coating (BAM-PPV) using positron annihilation spectroscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007 , 4, 3789-3792		
218	Study of mesoporous silica films by positron annihilation based on a slow positron beam: Effects of preparation conditions on pore size and open porosity. <i>Chemical Physics</i> , 2007 , 331, 213-218	2.3	19
217	Free-volume distribution and glass transition of nano-scale polymeric films. <i>Radiation Physics and Chemistry</i> , 2007 , 76, 172-179	2.5	27
216	Impact of Residual Impurities on Annealing Properties of Vacancies in Electroplated Cu Studied Using Monoenergetic Positron Beams. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, L483-L485	1.4	8
215	Defects in Electroplated Cu and Their Impact on Stress Migration Reliability Studied using Monoenergetic Positron Beams. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 1938-1941	1.4	6
214	Characterization of Metal/High-k Structures Using Monoenergetic Positron Beams. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 3214-3218	1.4	7
213	Evidence for pore surface dependent positronium thermalization in mesoporous silica/hybrid silica films. <i>Physical Review B</i> , 2007 , 75,	3.3	44
212	Annealing properties of open volumes in strained SiN films studied by monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2007 , 102, 064513	2.5	2
211	Annealing properties of vacancy-type defects in ion-implanted GaN studied by monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2007 , 102, 084505	2.5	34
210	Vacancy-fluorine complexes and their impact on the properties of metal-oxide transistors with high-k gate dielectrics studied using monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2007 , 102, 054511	2.5	5
209	Positronium annihilation and pore surface chemistry in mesoporous silica films. <i>Applied Physics Letters</i> , 2007 , 91, 024102	3.4	28

208	Free-Volume Depth Profile of Polymeric Membranes Studied by Positron Annihilation Spectroscopy: Layer Structure from Interfacial Polymerization. <i>Macromolecules</i> , 2007 , 40, 7542-7557	5.5	228
207	Impact of nitridation on open volumes in HfSiOx studied using monoenergetic positron beams. <i>Applied Physics Letters</i> , 2006 , 88, 171912	3.4	9
206	Vacancy-impurity complexes in polycrystalline Si used as gate electrodes of HfSiON-based metal-oxide-semiconductors probed using monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2006 , 100, 034509	2.5	7
205	Characterization of HfSiON gate dielectrics using monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2006 , 99, 054507	2.5	18
204	Open volumes in SiN films for strained Si transistors probed using monoenergetic positron beams. <i>Applied Physics Letters</i> , 2006 , 88, 252107	3.4	3
203	Structure of SiO ₂ /SiC interface probed by positron annihilation spectroscopy. <i>Physical Review B</i> , 2006 , 73,	3.3	18
202	Porogen approach for the fabrication of plasma-polymerized nanoporous polysiloxane films. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20172-6	3.4	30
201	Slow positron beam study of corrosion-related defects in pure iron. <i>Applied Surface Science</i> , 2006 , 252, 3274-3277	6.7	16
200	Positron annihilation studies of mesoporous silica films using a slow positron beam. <i>Applied Surface Science</i> , 2006 , 252, 3221-3227	6.7	7
199	Ageing-induced enhancement of open porosity of mesoporous silica films studied by positron annihilation spectroscopy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 355, 73-76	2.3	12
198	Defect layer in SiO ₂ /SiC interface proved by a slow positron beam. <i>Physica B: Condensed Matter</i> , 2006 , 376-377, 354-357	2.8	2
197	Production and recovery of defects in phosphorus-implanted ZnO. <i>Journal of Applied Physics</i> , 2005 , 97, 013528	2.5	121
196	Structural defects in SiO ₂ /SiC interface probed by a slow positron beam. <i>Applied Surface Science</i> , 2005 , 244, 322-325	6.7	14
195	Reemission of Positrons from Mesh and Powder Moderators. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 6283-6286	1.4	3
194	Low-kSiOCH Film Deposited by Plasma-Enhanced Chemical Vapor Deposition Using Hexamethyldisiloxane and Water Vapor. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 3879-3884	1.4	13
193	Interaction of nitrogen with vacancy defects in N ⁺ -implanted ZnO studied using a slow positron beam. <i>Applied Physics Letters</i> , 2005 , 87, 091910	3.4	28
192	Annealing properties of open volumes in HfSiOx and HfAlOx gate dielectrics studied using monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2005 , 98, 023506	2.5	16
191	Vacancy-type defects in Si-doped InN grown by plasma-assisted molecular-beam epitaxy probed using monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2005 , 97, 043514	2.5	14

190	Mechanism of enhanced positronium formation in low-temperature polymers. <i>Journal of Chemical Physics</i> , 2005 , 122, 214907	3.9	26
189	Vacancy-type defects in strained-Si layers deposited on SiGeBi structures probed by using monoenergetic positron beams. <i>Journal of Applied Physics</i> , 2005 , 97, 023532	2.5	5
188	Defects introduced into electroplated Cu films during room-temperature recrystallization probed by a monoenergetic positron beam. <i>Journal of Applied Physics</i> , 2005 , 98, 043504	2.5	20
187	Microvoid formation in hydrogen-implanted ZnO probed by a slow positron beam. <i>Physical Review B</i> , 2005 , 71,	3.3	85
186	Characterization of Hf _{0.3} Al _{0.7} O _x Fabricated by Atomic-Layer-Deposition Technique Using Monoenergetic Positron Beams. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 7848-7852	1.4	7
185	Properties of Low-kCu Barrier SiOCNH Film Deposited by Plasma-Enhanced Chemical Vapor Deposition using Hexamethyldisiloxane and Ammonia Gases. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 750-756	1.4	8
184	Characterizing Metal-Oxide Semiconductor Structures Consisting of HfSiO _x as Gate Dielectrics using Monoenergetic Positron Beams. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 1254-1259	1.4	6
183	Influence of defect-impurity complexes on slow positron yield of a tungsten moderator: Positron annihilation, Auger, and SIMS study. <i>Physical Review B</i> , 2004 , 69,	3.3	3
182	Evolution of voids in Al ⁺ -implanted ZnO probed by a slow positron beam. <i>Physical Review B</i> , 2004 , 69,	3.3	90
181	Identification of vacancy-oxygen complexes in oxygen-implanted silicon probed with slow positrons. <i>Journal of Applied Physics</i> , 2004 , 95, 3404-3410	2.5	8
180	The Depth Profile of Free Volume in Drug Delivery Polymers Studied by Positron Annihilation Spectroscopy. <i>Materials Science Forum</i> , 2004 , 445-446, 319-321	0.4	3
179	Positronium Annihilation Lifetime Spectroscopy of Porous Low-k Films with Periodic Pore Structures. <i>Materials Science Forum</i> , 2004 , 445-446, 334-336	0.4	4
178	Estimation of Ni / Polyethylene Bilayer by Slow Positron Beam. <i>Materials Science Forum</i> , 2004 , 445-446, 42-44	0.4	1
177	Positronium Time-Of-Flight Measurements of Porous Silsesquioxane Films. <i>Materials Science Forum</i> , 2004 , 445-446, 361-363	0.4	2
176	Positron Annihilation Methods by β Rays Produced in Laser-Induced Compton-Backscattering. <i>Materials Science Forum</i> , 2004 , 445-446, 474-476	0.4	2
175	Depth Profiling of Ultra-Thin Polymer Films on Substrates Studied by Positron Annihilation Spectroscopy. <i>Materials Science Forum</i> , 2004 , 445-446, 367-369	0.4	4
174	Positron and Positronium Annihilation in Low-Dielectric-Constant Films Studied by a Pulsed Positron Beam. <i>Materials Science Forum</i> , 2004 , 445-446, 224-228	0.4	7
173	Positron Annihilation Study on Hydrogen-Induced Defects in AISI 304 Stainless Steel. <i>Materials Science Forum</i> , 2004 , 445-446, 213-215	0.4	3

172	Ion-Implantation Induced Defects in ZnO Studied by a Slow Positron Beam. <i>Materials Science Forum</i> , 2004 , 445-446, 57-59	0.4	3
171	Copper Barrier Properties of Low Dielectric Constant SiOCNH Film Deposited by Plasma-Enhanced CVD. <i>Journal of the Electrochemical Society</i> , 2004 , 151, C56	3.9	10
170	Depth Dependence of Defects in Ion-Implanted Si Probed by a Positron Beam. <i>Materials Science Forum</i> , 2004 , 445-446, 78-80	0.4	2
169	Durability and Free Volume in Polymeric Coatings Studied by Positron Annihilation Spectroscopy. <i>Materials Science Forum</i> , 2004 , 445-446, 274-276	0.4	13
168	Positron Beam Study of Defects Induced in Ar-Implanted Si. <i>Materials Science Forum</i> , 2004 , 445-446, 150-152	0.4	4
167	Characterization of photoresists for ArF-excimer laser lithography using monoenergetic positron beams. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 341-346	2.6	
166	Characterization of free volume and density gradients of polystyrene surfaces by low-energy positron lifetime measurements. <i>Polymer</i> , 2004 , 45, 4533-4539	3.9	40
165	Free Volume and Density Gradients of Amorphous Polymer Surfaces As Determined by Use of a Pulsed Low-Energy Positron Lifetime Beam and PVT Data. <i>Macromolecules</i> , 2004 , 37, 4201-4210	5.5	24
164	Positron emission tomography imaging of musculoskeletal tumors in the shoulder girdle. <i>Journal of Shoulder and Elbow Surgery</i> , 2004 , 13, 635-47	4.3	7
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12	Design of 10-T superconducting wiggler for angiography. <i>Review of Scientific Instruments</i> , 1992 , 63, 313-316		1
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10	Free electron laser experiment at ETL. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1991 , 304, 86-92	1.2	6
9	Characterization of Hydrogenated Amorphous Silicon Films by a Pulsed Positron Beam. <i>Japanese Journal of Applied Physics</i> , 1991 , 30, 2438-2441	1.4	39
8	Slow Positron Pulsing System for Variable Energy Positron Lifetime Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 1991 , 30, L532-L534	1.4	174
7	Stretching of slow positron pulses generated with an electron linac. <i>Applied Physics A: Solids and Surfaces</i> , 1990 , 51, 146-150		51
6	Three-dimensional positron-electron momentum distribution in single-crystal graphite. <i>Physical Review B</i> , 1990 , 42, 11583-11586	3.3	19
5	Measurement of bunch lengthening in TERAS. <i>Review of Scientific Instruments</i> , 1989 , 60, 1748-1751	1.7	0
4	Estimations of Touschek effect and ion clearing by the decay rate plot method. <i>Review of Scientific Instruments</i> , 1989 , 60, 1744-1747	1.7	4
3	Positron Study of Electron Momentum Density and Fermi Surface in Titanium and Zirconium. <i>Journal of the Physical Society of Japan</i> , 1989 , 58, 3251-3263	1.5	35
2	Two-dimensional electron momentum distribution in graphite revealed by means of angular correlation of positron annihilation. <i>Journal of Physics and Chemistry of Solids</i> , 1987 , 48, 701-705	3.9	12
1	The momentum distribution of electrons in LaB ₆ , CeB ₆ , PrB ₆ and NdB ₆ by positron annihilation. <i>Journal of Magnetism and Magnetic Materials</i> , 1985 , 52, 313-316	2.8	1