

# Positronium Annihilation in Molecular Substances

Journal of Chemical Physics

56, 5499-5510

DOI: 10.1063/1.1677067

Citation Report

#	ARTICLE	IF	CITATIONS
4	Positron Annihilation Techniques (PAT) in Polymer Science and Engineering. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 1973, 9, 305-337.	2.2	45
5	Positron annihilation and average molecular weight of polymers. Journal of Applied Physics, 1973, 44, 5171-5172.	1.1	13
6	Spur reaction model of positronium formation. Journal of Chemical Physics, 1974, 60, 998-1004.	1.2	392
7	Positron lifetime measurements in aliphatic hydrocarbons. Applied Physics Berlin, 1974, 5, 53-56.	1.4	17
8	The role of bound states in positronium annihilation. Applied Physics Berlin, 1974, 3, 335-351.	1.4	73
9	Positronium in molecular substances. Applied Physics Berlin, 1974, 3, 1-7.	1.4	16
10	Positronium quenching reactions and diffusion in solutions. Applied Physics Berlin, 1974, 3, 31-35.	1.4	9
11	Positron Annihilation in Solid Hydrocarbons. Physica Status Solidi (B): Basic Research, 1974, 63, K69.	0.7	1
12	Influence of spur processes on positronium formation in some mixtures of organic liquids. Chemical Physics, 1974, 6, 265-271.	0.9	29
13	Positron Lifetimes in $\hat{I}^3$ -Irradiated Eicosane and Polyethylene. Bulletin of the Chemical Society of Japan, 1975, 48, 808-812.	2.0	11
14	The effects of impurities and gamma radiation on positron annihilation in phenanthrene. Physics Letters, Section A: General, Atomic and Solid State Physics, 1975, 55, 69-71.	0.9	3
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22	A test of the bubble collapse rate effect on positronium reactions in solutions. <i>Chemical Physics</i> , 1978, 34, 39-45.	0.9	14
23	Positronium formation in nonpolar solvents. A comparative study of the influence of chlorinated ethanes, ethenes and cyclohexanes on the yield of o-Ps. <i>Chemical Physics</i> , 1979, 39, 309-323.	0.9	9
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25	The temperature dependence of the two positronium bubble states in liquid SF <sub>6</sub> . <i>Chemical Physics</i> , 1980, 50, 393-403.	0.9	26
26	Dependence of positron lifetimes on the dielectric constants of some organic media. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 81, 415-418.	0.9	0
27	Temperature dependence of positron lifetimes in water and ethanol. <i>Chemical Physics</i> , 1981, 55, 177-182.	0.9	13
28	Temperature effects on positronium formation and inhibition: A contribution to the elucidation of early spur processes <sup>III</sup> . <i>Radiation Physics and Chemistry</i> (1977), 1982, 20, 275-280.	0.4	15
29	Correlation of positronium yield with excess Electron Mobility in Liquid Neopentane. <i>Chemical Physics</i> , 1982, 69, 71-80.	0.9	22
30	Temperature effects on positronium formation and inhibition: A contribution to the elucidation of early spur processes <sup>IV</sup> . <i>Radiation Physics and Chemistry</i> (1977), 1983, 21, 431-438.	0.4	13
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37	Positron annihilation in the vicinity of the critical solution point of methanol-cyclohexane mixtures. <i>Chemical Physics Letters</i> , 1987, 137, 42-44.	1.2	0
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46	Anisotropy of free-volume-hole dimensions in polymers probed by positron-annihilation spectroscopy. Physical Review B, 1990, 42, 9705-9708.	1.1	36
47	Free-volume and pore size distributions determined by numerical Laplace inversion of positron annihilation lifetime data. Journal of Applied Physics, 1991, 70, 4665-4670.	1.1	144
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49	Pressure effect on positronium reactions in organic solutions. Chemical Physics, 1991, 150, 453-460.	0.9	6
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59	Direct measurement of free-volume hole distributions in polymers by using a positronium probe. Journal of Polymer Science, Part B: Polymer Physics, 1992, 30, 1359-1364.	2.4	60
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70	Free Volume Holes of Rubbery Polymers Probed by Positron Annihilation.. Bulletin of the Chemical Society of Japan, 1993, 66, 61-68.	2.0	30
71	The Effects of Vapor Sorption in Polymers Observed by Positron Annihilation. Bulletin of the Chemical Society of Japan, 1993, 66, 727-732.	2.0	16
72	1.7 GHz electron spin echo envelope modulation due to <sup>29</sup> Si in gamma-irradiated fused quartz. Journal of Chemical Physics, 1994, 101, 10338-10342.	1.2	4
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74	Molecular weight-dependence of free volume in polystyrene studied by positron annihilation measurements. Journal of Polymer Science, Part B: Polymer Physics, 1994, 32, 2637-2644.	2.4	91
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95	Positron Annihilation in Chemistry. <i>Springer Series in Chemical Physics</i> , 1995, , .	0.2	343
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106	Positron annihilation lifetime studies of sol-gel transition of carrageenan gels. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 211, 119-126.	0.7	3
107	Lifetime distributions in PEO/PMMA blends: Dependence on ageing time. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 211, 269-275.	0.7	6
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164	A positron annihilation study of the tensile behaviour of bivoltine silk fibers. <i>European Polymer Journal</i> , 1999, 35, 1107-1113.	2.6	13
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170	Free-volume change in volume phase transition of polyacrylamide gel as studied by positron annihilation: Salt dependence. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999, 37, 2634-2641.	2.4	22
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181	Positronium Annihilation in Fluorinated Benzene Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , 1999, 72, 2379-2382.	2.0	0
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1240	Analysis of governing factors controlling gas transport through fresh and aged triptycene-based polyimide films. <i>Journal of Membrane Science</i> , 2017, 522, 12-22.	4.1	37
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1242	Nanopore structure relevant to the $D_{2O}$ permeation into silica thin films as studied by secondary ion mass spectrometry, ellipsometric porosimetry and positron annihilation. <i>Journal of Physics: Conference Series</i> , 2017, 791, 012027.	0.3	2
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1248	Subnanopore filling during water vapor adsorption on microporous silica thin films as seen by low-energy positron annihilation. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	3
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1250	Strain-induced fibrillation of glassy polymers. <i>Russian Chemical Bulletin</i> , 2018, 67, 1-22.	0.4	3
1251	Defects characterization and study of amorphous phase formation in xV <sub>2</sub> O <sub>5</sub> -(1-x)Nd <sub>2</sub> O <sub>3</sub> binary glass nanocomposites using positron annihilation and correlated experimental techniques. <i>Journal of Alloys and Compounds</i> , 2018, 753, 748-760.	2.8	16
1252	Method for preparing a well-defined molecularly imprinted polymeric system via radiation-induced RAFT polymerization. <i>European Polymer Journal</i> , 2018, 103, 21-30.	2.6	20
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1256	Phase Separation and Development of Proton Transport Pathways in Metal Oxide Nanoparticle/Nafion Composite Membranes during Water Uptake. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9710-9717.	1.5	42
1257	Stereoselective synthesis and polymerization of <i>Exo</i> -5-trimethylsilylnorbornene. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1234-1248.	2.5	29
1258	Embedding Ag + @COFs within Pebax membrane to confer mass transport channels and facilitated transport sites for elevated desulfurization performance. <i>Journal of Membrane Science</i> , 2018, 552, 1-12.	4.1	61
1259	Triptycene-containing poly(benzoxazole-co-imide) membranes with enhanced mechanical strength for high-performance gas separation. <i>Journal of Membrane Science</i> , 2018, 551, 305-314.	4.1	59
1260	Robust water desalination membranes against degradation using high loads of carbon nanotubes. <i>Scientific Reports</i> , 2018, 8, 2748.	1.6	41
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1265	Free-volume characterization of nanostructured substances by positron annihilation lifetime spectroscopy. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2018, 416, 102-109.	0.6	22
1266	Bent-twisted block copolymer anion exchange membrane with improved conductivity. <i>Journal of Membrane Science</i> , 2018, 550, 59-71.	4.1	64
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1290	Positronium probes free volume to identify para- and meta-aramid fibers and correlation with mechanical strength. <i>Polymer</i> , 2018, 135, 39-49.	1.8	21
1291	Effects of chemical structure on gas transport properties of polyethersulfone polymers. <i>Polymer</i> , 2018, 135, 76-84.	1.8	36
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1312	Update (v1.1) to DLTPulseGenerator: A library for the simulation of lifetime spectra based on detector-output pulses. <i>SoftwareX</i> , 2018, 7, 171-173.	1.2	5
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1364	Oxygen barrier, free volume and miscibility properties of fully bio-based polyamide 1010/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 587 Td 1.2 3	1.2	3
1365	Free volume correlation with ac conductivity and thermo-mechanical properties of poly (ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 2.6 17	2.6	17
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1393	Confinement-induced polymorphism in acetylsalicylic acid-nanoporous glass composites. <i>Journal of Materials Science</i> , 2019, 54, 404-413.	1.7	1
1394	Molecularly Mixed Composite Membranes for Advanced Separation Processes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2638-2643.	7.2	86
1395	Molecularly Mixed Composite Membranes for Advanced Separation Processes. <i>Angewandte Chemie</i> , 2019, 131, 2664-2669.	1.6	29
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1406	Fabrication of ZIF-300 membrane and its application for efficient removal of heavy metal ions from wastewater. <i>Journal of Membrane Science</i> , 2019, 572, 20-27.	4.1	80
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1420	Microporous carbon fibers as electroconductive immobilization matrixes: Effect of their structure on operational parameters of laccase-based amperometric biosensor. <i>Materials Science and Engineering C</i> , 2020, 109, 110570.	3.8	16
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1452	Magnetic quenching of positronium studied by positron annihilation lifetime and Doppler broadening measurements. <i>Radiation Physics and Chemistry</i> , 2020, 171, 108712.	1.4	1
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1468	Interface nanocavities in poly (lactic acid) membranes with dispersed cellulose nanofibrils: Their role in the gas barrier performances. <i>Polymer</i> , 2020, 202, 122729.	1.8	7
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1471	Probing the Design Rationale of a High-Performing Faujasitic Zeotype Engineered to have Hierarchical Porosity and Moderated Acidity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19561-19569.	7.2	11
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