

Károly S^{1/4}vegh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1507761/publications.pdf>

Version: 2024-02-01

98
papers

992
citations

516710

16
h-index

580821

25
g-index

101
all docs

101
docs citations

101
times ranked

921
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of Surface Properties and Free Volumes of Chitosan-Based Buccal Mucoadhesive Drug Delivery Films Containing Ascorbic Acid. <i>Pharmaceutics</i> , 2022, 14, 345.	4.5	7
2	Influence of Aqueous Solubility-Enhancing Excipients on the Microstructural Characteristics of Furosemide-Loaded Electrospun Nanofibers. <i>Pharmaceutics</i> , 2020, 12, 385.	4.5	3
3	Facile Preparation of a Laponite/PVA Mixed Matrix Membrane for Efficient and Sustainable Pervaporative Dehydration of C1â€“C3 Alcohols. <i>ACS Omega</i> , 2020, 5, 32373-32385.	3.5	8
4	Chlorine dioxide-loaded poly(acrylic acid) gels for prolonged antimicrobial effect. <i>Materials Science and Engineering C</i> , 2019, 98, 782-788.	7.3	17
5	Microstructural characterization of papaverine-loaded HPC/PVA gels, films and nanofibers. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 122, 9-12.	4.0	11
6	Macro- and microstructural tracking of ageing-related changes of papaverine hydrochloride-loaded electrospun nanofibrous buccal sheets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 62-67.	2.8	12
7	Characterization of ethylcellulose free films by positron annihilation spectroscopy and mechanical testing. <i>Microchemical Journal</i> , 2014, 115, 47-50.	4.5	4
8	Comparison of the micro- and macrostructural characteristics of biopolymer cast films. <i>European Polymer Journal</i> , 2013, 49, 2422-2425.	5.4	6
9	High temperature thermal stability of ultrafine-grained silver processed by equal-channel angular pressing. <i>Journal of Materials Science</i> , 2013, 48, 1675-1684.	3.7	16
10	Effects of excipients on the tensile strength, surface properties and free volume of KlucelÃ® free films of pharmaceutical importance. <i>Radiation Physics and Chemistry</i> , 2013, 89, 57-63.	2.8	14
11	Mossbauer, x-ray diffraction, and microscopy investigations of novel electrodeposited amorphous alloys. , 2012, , .		5
12	Anomalous Swelling Behavior of Poly(N-vinylimidazole)-l-Poly(tetrahydrofuran) Amphiphilic Conetwork in Water Studied by Solid-State NMR and Positron Annihilation Lifetime Spectroscopy. <i>Macromolecules</i> , 2012, 45, 7557-7565.	4.8	38
13	Physicochemical testing of free films containing nonâ€soluble components. <i>Polymers for Advanced Technologies</i> , 2012, 23, 1020-1024.	3.2	0
14	Tracking of the viability of <i>Stenotrophomonas maltophilia</i> bacteria population in polyvinylalcohol nanofiber webs by positron annihilation lifetime spectroscopy. <i>International Journal of Pharmaceutics</i> , 2012, 429, 135-137.	5.2	12
15	Real time positron annihilation lifetime spectroscopy for the detection of the hydrocolloid gel-film transition of polymers. <i>Polymer Testing</i> , 2012, 31, 546-549.	4.8	12
16	Effect of storage on microstructural changes of Carbopol polymers tracked by the combination of positron annihilation lifetime spectroscopy and FT-IR spectroscopy. <i>International Journal of Pharmaceutics</i> , 2011, 416, 160-163.	5.2	10
17	Prediction of the drug release stability of different polymeric matrix tablets containing metronidazole. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 730-734.	2.8	10
18	Testing of the structure of macromolecular polymer films containing solid active pharmaceutical ingredient (API) particles. <i>Radiation Physics and Chemistry</i> , 2011, 80, 799-802.	2.8	7

#	ARTICLE	IF	CITATIONS
19	Positron Annihilation Spectroscopies. , 2011, , 1461-1484.		3
20	Correlation between the free volume and the metoprolol tartrate release of Metolose patches. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 244-247.	2.8	13
21	Tracking of the micro-structural changes of levonorgestrel-releasing intrauterine system by positron annihilation lifetime spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 902-905.	2.8	2
22	Electrodeposition of novel Snâ€“Niâ€“Fe ternary alloys with amorphous structure. Applied Surface Science, 2010, 256, 7713-7716.	6.1	15
23	Study of the effect of lactose on the structure of sodium alginate films. Carbohydrate Polymers, 2009, 77, 530-535.	10.2	16
24	Evaluation of surface and microstructure of differently plasticized chitosan films. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 655-659.	2.8	27
25	Prediction of the stability of polymeric matrix tablets containing famotidine from the positron annihilation lifetime distributions of their physical mixtures. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 711-714.	2.8	7
26	The structure and composition of novel electrodeposited Snâ€“Fe and Snâ€“Coâ€“Fe alloys from a flow circulation cell system. Hyperfine Interactions, 2009, 192, 1-12.	0.5	10
27	The influence of Metolose structure on the free volume and the consequent metoprolol tartrate release of patches. International Journal of Biological Macromolecules, 2009, 44, 6-8.	7.5	7
28	The effect of storage and active ingredient properties on the drug release profile of poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	10.2	13
29	Influence of Intermolecular Interactions on the Mössbauer Quadrupole Splitting of Organotin(IV) Compounds as Studied by DFT Calculations. Journal of Physical Chemistry A, 2007, 111, 13172-13181.	2.5	9
30	The effect of plasticizer on the ageing of Metolose films. Radiation Physics and Chemistry, 2007, 76, 165-168.	2.8	4
31	Tracking of the effects of the plasticizer on the water uptake and free volume changes of methylcellulose. Polymers for Advanced Technologies, 2007, 18, 921-924.	3.2	3
32	Metoloseâ€“PEG interaction as seen by positron annihilation spectroscopy. International Journal of Pharmaceutics, 2006, 313, 66-71.	5.2	18
33	Tracking of the physical ageing of amorphous pharmaceutical polymeric excipients by positron annihilation spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2006, 40, 249-254.	2.8	28
34	Tracking the physical aging of poly(ethylene oxide): A technical note. AAPS PharmSciTech, 2006, 7, E95-E98.	3.3	27
35	Effects of the degree of polymerization on the free volume structure of linear amphiphilic poly(isobutylene)â€“poly(methyl vinyl ether) diblock copolymers. Radiation Physics and Chemistry, 2005, 74, 247-251.	2.8	1
36	The effect of the solvent on the film-forming parameters of hydroxypropyl-cellulose. International Journal of Pharmaceutics, 2005, 301, 192-198.	5.2	22

#	ARTICLE	IF	CITATIONS
37	Correlation between the release characteristics of theophylline and the free volume of polyvinylpyrrolidone. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 24, 351-354.	4.0	20
38	Investigations of microstructures and defect structures in wear affected region created on Nimonic 80A during high temperature wear. <i>Tribology Letters</i> , 2005, 18, 395-404.	2.6	6
39	The Effect of Plasticizer on the Free Volume in Metolose Systems. <i>Materials Science Forum</i> , 2004, 445-446, 325-327.	0.3	5
40	Comparison of the enthalpy recovery and free volume of polyvinylpyrrolidone during anomalous glassy to rubbery transition. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 21, 519-523.	4.0	12
41	Extended NMR Study of Spin-Crossover Compounds [Fe(1-alkyl-1H-tetrazole)6](BF4)2 and Their ZnII Analogs. <i>Structural Chemistry</i> , 2003, 14, 349-368.	2.0	5
42	Positron annihilation study of polyphenylene dendrimers. <i>Radiation Physics and Chemistry</i> , 2003, 67, 325-330.	2.8	8
43	Preparation and Structural Properties of Tin Oxide-Montmorillonite Nanocomposites. <i>Langmuir</i> , 2003, 19, 3762-3769.	3.5	33
44	Physical Aging of Poly(vinylpyrrolidone) under Different Humidity Conditions. <i>Macromolecules</i> , 2002, 35, 795-800.	4.8	43
45	Effect of plasticizer on the dynamic surface tension and the free volume of Eudragit systems. <i>International Journal of Pharmaceutics</i> , 2002, 244, 81-86.	5.2	29
46	Positron lifetime in supramolecular gamma- and delta-cyclodextrin-C60 and C70 compounds. <i>Chemical Physics Letters</i> , 2001, 344, 263-269.	2.6	16
47	Study of the Swelling of Poly[2-(N,N-Dimethyl Amino)Ethyl Methacrylate]-I-Polyisobutylene (PDMAEMA-I-PIB) Amphiphilic Co-Network. <i>Materials Science Forum</i> , 2001, 363-365, 365-367.	0.3	3
48	Positron lifetime study of an Al-1.7at.% Mg-1.1at.% Cu alloy. <i>Philosophical Magazine Letters</i> , 2001, 81, 145-151.	1.2	19
49	Oxidation/Reduction Effects on the Thermoluminescence of γ -Al ₂ O ₃ Single Crystals. <i>Physica Status Solidi A</i> , 2000, 179, 249-260.	1.7	21
50	Structural changes in carbon films derived from Kapton observed by the positron annihilation lifetime technique. <i>Carbon</i> , 2000, 38, 1419-1422.	10.3	4
51	Comparison of simulated and measured free volume distributions in polymers. <i>Radiation Physics and Chemistry</i> , 2000, 58, 539-543.	2.8	9
52	Defect structure of electrodeposited chromium layers. <i>Radiation Physics and Chemistry</i> , 2000, 58, 693-696.	2.8	4
53	CO ₂ absorption of perovskites as seen by positron lifetime spectroscopy. <i>Radiation Physics and Chemistry</i> , 2000, 58, 733-736.	2.8	5
54	Nuclear Techniques in the Elucidation of Chemical Structure. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2000, 243, 241-253.	1.5	3

#	ARTICLE	IF	CITATIONS
55	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2000, 245, 347-352.	1.5	0
56	Effects of storage conditions on the free volume of polyvinylpyrrolidone: comparison of positron lifetime data with the tensile strength of tablets. Pharmaceutical Research, 2000, 17, 1030-1032.	3.5	11
57	Positron annihilation study of a low-molecular-weight organic glass-forming liquid (BMMPC). Europhysics Letters, 1999, 46, 815-820.	2.0	14
58	Positronium as a tool to monitor changes of chemical structure. Radiation Physics and Chemistry, 1999, 55, 541-548.	2.8	13
59	Frontiers of positron and positronium chemistry in condensed media. Journal of Radioanalytical and Nuclear Chemistry, 1999, 239, 29-36.	1.5	1
60	Characterization of Arachidate Langmuir-Blodgett Films by Variable Energy Positron Beams. Langmuir, 1999, 15, 8189-8196.	3.5	17
61	Free Volume Distribution in Monodisperse and Polydisperse Poly(methyl methacrylate) Samples. Macromolecules, 1999, 32, 1147-1151.	4.8	29
62	Positronium as a sensitive detector of changes in molecular structure. Advances in Molecular Structure Research, 1999, , 313-357.	0.3	28
63	Ortho-Positronium Lifetime As a Detector of Spin-Crossover. Acta Physica Polonica A, 1999, 95, 469-473.	0.5	3
64	EFFECT OF SPIN-CROSSOVER ON THE PARAMETERS OF THE LIFETIME SPECTRA OF POSITRONS AND POSITRONIUM IN CRYSTALLINE MATERIALS. Journal of Physics and Chemistry of Solids, 1998, 59, 1235-1239.	4.0	3
65	Application of positron lifetime spectroscopy to the study of electrodeposited chromium layers. Journal of Electroanalytical Chemistry, 1998, 455, 69-73.	3.8	8
66	Free Volume and Swelling Dynamics of the Poly[(2-dimethylamino)ethyl methacrylate]- <i>l</i> -polyisobutylene Amphiphilic Network by Positron Annihilation Investigations. Macromolecules, 1998, 31, 7770-7775.	4.8	59
67	Positron Annihilation in [Fe(ptz) ₆](BF ₄) ₂ and [Zn(ptz) ₆](BF ₄) ₂ Single Crystals Studied with One-Dimensional Angular Correlation of Annihilation Radiation. Japanese Journal of Applied Physics, 1998, 37, 111-112.	1.5	5
68	Local structural deformation in [Zn(1- <i>l</i> -propyltetrazole) ₆](BF ₄) ₂ and [Fe(1- <i>l</i> -propyltetrazole) ₆](BF ₄) ₂ crystals observed by positron-annihilation spectroscopy. Physical Review B, 1998, 57, 14119-14122.	3.2	10
69	Fe ²⁺ Spin-Crossover Complexes: Structure and Positron Annihilation. Materials Science Forum, 1997, 255-257, 281-283.	0.3	1
70	<i>o</i> -Ps in Solid Materials: Perturbation Theory Calculations. Materials Science Forum, 1997, 255-257, 251-253.	0.3	6
71	Positron Lifetime Study in Single Crystals of Iron(II) Coordination Compounds. Materials Science Forum, 1997, 255-257, 445-447.	0.3	0
72	Hydrogen-Bounded Clusters in Aqueous Solutions: A Combined Positron Annihilation and FTIR Study. Materials Science Forum, 1997, 255-257, 348-350.	0.3	2

#	ARTICLE	IF	CITATIONS
73	Use of a Newly Developed Compact 2D-ACAR Spectrometer for the Study of Positronium in Solids. Materials Science Forum, 1997, 255-257, 488-490.	0.3	2
74	Positron lifetime study of several chiral materials in aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 1996, 211, 203-210.	1.5	2
75	Water absorption in a polymeric network. Journal of Radioanalytical and Nuclear Chemistry, 1996, 211, 219-224.	1.5	5
76	Positron annihilation and ^1H NMR study of $[\text{Zn}(\text{1-propyltetrazole})_6](\text{BF}_4)_2$ and $[\text{Fe}(\text{Methyltetrazole})_6](\text{BF}_4)_2$ complexes. Journal of Radioanalytical and Nuclear Chemistry, 1996, 211, 247-253.	1.5	2
77	Positron lifetime study of the ferroelectric BaTiO_3 in electric field. Journal of Radioanalytical and Nuclear Chemistry, 1996, 211, 255-260.	1.5	7
78	Nuclear techniques in structural chemistry. Journal of Radioanalytical and Nuclear Chemistry, 1996, 203, 399-412.	1.5	13
79	The Effect of the Spin-Crossover on the ACAR Spectra through the Ortho-Para Conversion of Positronium. Materials Science Forum, 1995, 175-178, 765-767.	0.3	2
80	Dose effect in neutron-irradiated C60: a positron lifetime spectroscopy and DSC study. Chemical Physics Letters, 1995, 238, 290-294.	2.6	24
81	Positron annihilation in non-simple liquids. Normal hexane. Journal of Radioanalytical and Nuclear Chemistry, 1995, 190, 457-462.	1.5	0
82	A positron annihilation study on phase transitions in trans-stilbene single crystal. Journal of Radioanalytical and Nuclear Chemistry, 1995, 200, 265-275.	1.5	4
83	Positron annihilation study of spin-crossover in $[\text{Fe}_x\text{Zn}_{1-x}(\text{ptz})_6](\text{BF}_4)_2$ single crystals. Journal of Physics and Chemistry of Solids, 1994, 55, 1269-1275.	4.0	13
84	Positron annihilation study of spin-crossover in $[\text{Fe}_x\text{Zn}_{1-x}(\text{ptz})_6](\text{BF}_4)_2$ single crystals. Hyperfine Interactions, 1994, 84, 483-489.	0.5	6
85	Molecular weight dependence of positron lifetime parameters in PEEK samples. Journal of Radioanalytical and Nuclear Chemistry, 1994, 186, 375-384.	1.5	3
86	Two Long Lifetimes in Liquid Normal Hexane. Materials Science Forum, 1992, 105-110, 1749-1752.	0.3	3
87	Positron distributions in multi-component, fine-grained materials. Journal of Radioanalytical and Nuclear Chemistry, 1992, 166, 219-237.	1.5	2
88	Mössbauer spectroscopic and positron annihilation studies of iron and tin containing aluminium alloys. Hyperfine Interactions, 1991, 66, 191-201.	0.5	0
89	Positron lifetime study of electron-irradiated epoxy resins. Journal of Radioanalytical and Nuclear Chemistry, 1990, 145, 159-165.	1.5	0
90	Multinomial distribution as the most likely distribution of the stoichiometric composition of stochastically formed nmers. Journal of Radioanalytical and Nuclear Chemistry, 1990, 141, 373-391.	1.5	2

#	ARTICLE	IF	CITATIONS
91	Vacancy trapping at tin atoms during the recovery of a fast-quenched dilute aluminium-tin alloy and its effect on the isomer shift of the ^{119}Sn Mossbauer isotope. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 3201-3217.	1.8	4
92	Oxidation of ^{60}Co -Ni(OH) ₂ : positron lifetime study of a heterogeneous solid. <i>Journal of Physics Condensed Matter</i> , 1989, 1, SA85-SA90.	1.8	2
93	Poster contributions. <i>Hyperfine Interactions</i> , 1989, 47-48, 433-589.	0.5	0
94	Mössbauer and positron annihilation study of tin-vacancy interaction during the recovery of a dilute Al _x Sn alloy. <i>Hyperfine Interactions</i> , 1989, 45, 389-396.	0.5	0
95	Positron lifetime studies of organic coatings. <i>Crystal Research and Technology</i> , 1988, 23, 285-290.	1.3	1
96	Characterization of the ^{60}Co -Ni(OH) ₂ / ^{60}Co -NiOOH system by positron lifetime spectroscopy. <i>Electrochimica Acta</i> , 1988, 33, 1061-1066.	5.2	11
97	Positron Lifetime and Mössbauer Spectroscopy Study of Vacancy-Tin Interaction in Dilute Al _x Sn Alloys. <i>Physica Status Solidi A</i> , 1987, 103, 397-401.	1.7	7
98	Positron implantation in polymer coatings. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1987, 117, 183-193.	1.5	5