

Stanislav A Pshenichnyuk

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.

95
papers

880
citations

18
h-index

22
g-index

99
ext. papers

943
ext. citations

2.3
avg, IF

4.41
L-index

#	Paper	IF	Citations
95	Microsecond dynamics of molecular negative ions formed by low-energy electron attachment to fluorinated tetracyanoquinodimethane. <i>Journal of Chemical Physics</i> , 2021 , 155, 184301	3.9	0
94	Electron Attachment to Isolated Molecules as a Probe to Understand Mitochondrial Reductive Processes. <i>Methods in Molecular Biology</i> , 2021 , 2277, 101-124	1.4	
93	Unoccupied Electronic States and Potential Barrier in Films of Substituted Diphenylphthalides on the Surface of Highly Ordered Pyrolytic Graphite. <i>Physics of the Solid State</i> , 2021 , 63, 362-367	0.8	2
92	Non-covalent anion structures in dissociative electron attachment to some brominated biphenyls.. <i>Journal of Chemical Physics</i> , 2021 , 155, 244302	3.9	0
91	Doping of a Nonconjugated Polymer by an Organic Compound with Two Stable Energy States. <i>Technical Physics</i> , 2021 , 66, 1319-1323	0.5	
90	Structural rearrangements as relaxation pathway for molecular negative ions formed via vibrational Feshbach resonance. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 16150-16156	3.6	5
89	Density of Vacant Electronic States of Semiconductor Films of Molecules of Naphthalene and Diphenylphthalide Modified by Electroactive Functional Groups. <i>Physics of the Solid State</i> , 2020 , 62, 1256-1261 ¹	0.8	1
88	Dissociative Electron Attachment to 2,3,6,7,10,11-Hexabromotriphenylene. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 690-694	2.8	3
87	Electron attachment spectroscopy as a tool to study internal rotations in isolated negative ions. <i>Physical Review Research</i> , 2020 , 2,	3.9	4
86	Propagation of Low-Energy Electrons and the Density of Unoccupied States in Ultrathin TCNQ Layers on the Oxidized Silicon Surface. <i>Physics of the Solid State</i> , 2020 , 62, 1245-1250	0.8	2
85	Unoccupied Electron States of Ultrathin Films of ThiophenePhenylene Cooligomers on the Surface of Polycrystalline Gold. <i>Physics of the Solid State</i> , 2020 , 62, 1960-1966	0.8	1
84	Ionizing radiation and natural constituents of living cells: Low-energy electron interaction with coenzyme Q analogs. <i>Journal of Chemical Physics</i> , 2020 , 153, 111103	3.9	2
83	5-Nitro-2,4-Dichloropyrimidine as an Universal Model for Low-Energy Electron Processes Relevant for Radiosensitization. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
82	Resonance electron interaction with heterocyclic compounds: vibrational Feshbach resonances and hydrogen atom stripping. <i>Journal of Physics: Conference Series</i> , 2020 , 1412, 212003	0.3	
81	Dissociative electron attachment to 3-benzelidenephthalide and phenolphthalein molecules. <i>Journal of Chemical Physics</i> , 2019 , 151, 134302	3.9	4
80	The Unoccupied Electronic States of the Ultrathin Diphenylphthalide Films on the Surface of the Highly Oriented Pyrolytic Graphite. <i>Physics of the Solid State</i> , 2019 , 61, 1922-1926	0.8	2
79	4-Bromobiphenyl: Long-lived molecular anion formation and competition between electron detachment and dissociation. <i>Journal of Chemical Physics</i> , 2019 , 150, 114304	3.9	12

78	Atomic Composition and Morphology of Thin Films of Resveratrol Deposited on Oxidized Silicon and Polycrystalline Gold Surfaces. <i>Physics of the Solid State</i> , 2019 , 61, 468-473	0.8	3
77	Conduction band electronic states of ultrathin layers of thiophene/phenylene co-oligomers on an oxidized silicon surface. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2019 , 235, 40-45	1.7	9
76	Resonance electron interaction with five-membered heterocyclic compounds: Vibrational Feshbach resonances and hydrogen-atom stripping. <i>Physical Review A</i> , 2019 , 100,	2.6	4
75	Dissociative Electron Attachment to 2,6- and 2,5-Dihydroxyacetophenone. <i>Journal of Analytical Chemistry</i> , 2019 , 74, 1296-1304	1.1	
74	Electron stimulated ring opening in diphenylphthalide dicarboxylic acid: Its likely role in the unique properties of phthalide-based materials. <i>Journal of Chemical Physics</i> , 2019 , 151, 214309	3.9	7
73	Can the Electron-Accepting Properties of Odorants Be Involved in Their Recognition by the Olfactory System?. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2320-2325	6.4	5
72	Density of Electronic States in the Conduction Band of Ultrathin Films of Naphthalenedicarboxylic Anhydride and Naphthalenetetracarboxylic Dianhydride on the Surface of Oxidized Silicon. <i>Physics of the Solid State</i> , 2018 , 60, 804-808	0.8	3
71	Interconnections between dissociative electron attachment and electron-driven biological processes. <i>International Reviews in Physical Chemistry</i> , 2018 , 37, 125-170	7	14
70	Fragmentation of chlorpyrifos by thermal electron attachment: a likely relation to its metabolism and toxicity. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 22272-22283	3.6	5
69	Generation and Fragmentation of Phthalide Derivative Negative Ions. <i>Technical Physics</i> , 2018 , 63, 1054-1059	10.59	6
68	Unoccupied Electron States and the Formation of Interface between Films of Dimethyl-Substituted Thiophene/Phenylene Co-oligomers and Oxidized Silicon Surface. <i>Physics of the Solid State</i> , 2018 , 60, 1029-1034	0.8	3
67	Low-Energy Electron Interaction with Melatonin and Related Compounds. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 3965-3974	3.4	11
66	Estimating electron affinity from the lifetime of negative molecular ions: Cycloheptatriene derivatives. <i>Russian Journal of Physical Chemistry A</i> , 2017 , 91, 915-920	0.7	4
65	Why Can Unnatural Electron Acceptors Protect Photosynthesizing Organisms but Kill the Others?. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 749-757	3.4	7
64	Dissociative electron attachment to some spinochromes: Fragment anion formation. <i>International Journal of Mass Spectrometry</i> , 2017 , 412, 26-37	1.9	6
63	Density of unoccupied electronic states of vapor-deposited films of dioctyl-substituted and diphenyl-substituted perylenedicarboximides. <i>Physics of the Solid State</i> , 2017 , 59, 403-407	0.8	1
62	Dissociative electron attachment to 2,4,6-trichloroanisole and 2,4,6-tribromoanisole molecules. <i>Journal of Chemical Physics</i> , 2017 , 147, 234302	3.9	15
61	Atomic composition and stability of Langmuir-Blodgett monolayers based on siloxane dimer of quaterthiophene on the surface of polycrystalline gold. <i>Physics of the Solid State</i> , 2017 , 59, 2491-2496	0.8	2

60	Structure of vacant electronic states of an oxidized germanium surface upon deposition of perylene tetracarboxylic dianhydride films. <i>Physics of the Solid State</i> , 2016 , 58, 377-381	0.8	21
59	Resonance electron capture by the molecules of β and β C(14)-methoxy isomers of 10,12-dehydro-8,9-seco-8,9-dioxolappaconine and its oxo derivative. <i>High Energy Chemistry</i> , 2016 , 50, 433-437	0.9	1
58	Role of Resonance Electron Attachment in Phytoremediation of Halogenated Herbicides. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 12098-12104	3.4	8
57	Electronic structure of the conduction band of the interface region of ultrathin films of substituted perylenedicarboximides and the germanium oxide surface. <i>Physics of the Solid State</i> , 2016 , 58, 1901-1905	0.8	2
56	Hypothesis for the Mechanism of Ascorbic Acid Activity in Living Cells Related to Its Electron-Accepting Properties. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 2667-76	2.8	18
55	Electron attachment to chlorinated alcohols. <i>Chemical Physics Letters</i> , 2015 , 634, 203-209	2.5	4
54	Electron attachment to the phthalide molecule. <i>Journal of Chemical Physics</i> , 2015 , 142, 174308	3.9	12
53	Low-energy electron transmission for the analysis of the interface barrier formation and the density of the unoccupied electronic states in the ultra-thin layers of fluorinated copper-phthalocyanine. <i>Organic Photonics and Photovoltaics</i> , 2015 , 3,	5	1
52	Electron affinity evaluation for nitrobenzene derivatives using negative ion lifetime data. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 910-2	2.2	26
51	Dissociative Electron Attachment to Resveratrol as a Likely Pathway for Generation of the H ₂ Antioxidant Species Inside Mitochondria. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1104-10	6.4	22
50	Low-energy electron interaction with retusin extracted from <i>Maackia amurensis</i> : towards a molecular mechanism of the biological activity of flavonoids. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 16805-12	3.6	13
49	Resonance electron attachment to natural polyphenolic compounds and their biological activity. <i>Letters on Materials</i> , 2015 , 5, 504-512	0.9	3
48	ETS and DEAS studies of the reduction of xenobiotics in mitochondrial intermembrane space. <i>Methods in Molecular Biology</i> , 2015 , 1265, 285-305	1.4	9
47	Dissociative Electron Attachment to Anthralin to Model Its Biochemical Reactions. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2916-21	6.4	14
46	Resonance electron attachment to tetracyanoquinodimethane. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 6810-8	2.8	16
45	Resonance electron attachment to plant hormones and its likely connection with biochemical processes. <i>Journal of Chemical Physics</i> , 2014 , 140, 034313	3.9	10
44	Electron attachment to some naphthoquinone derivatives: long-lived molecular anion formation. <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 1580-90	2.2	26
43	Internal conversion as the main stabilization mechanism for long-lived negative molecular ions. <i>Technical Physics</i> , 2014 , 59, 1277-1285	0.5	10

42	Electronic properties of the interface between hexadecafluoro copper phthalocyanine and unsubstituted copper phthalocyanine films. <i>Semiconductors</i> , 2013 , 47, 956-961	0.7	10
41	Electron attachment to indole and related molecules. <i>Journal of Chemical Physics</i> , 2013 , 139, 184305	3.9	13
40	Negative ion mass spectra of hydrophilic naphthoquinones. <i>Journal of Analytical Chemistry</i> , 2013 , 68, 1162-1164		
39	Gas-phase dissociative electron attachment to flavonoids and possible similarities to their metabolic pathways. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 1588-600	3.6	26
38	An electron transmission spectrometer with a trochoidal electron monochromator. <i>Instruments and Experimental Techniques</i> , 2013 , 56, 76-79	0.5	2
37	Can mitochondrial dysfunction be initiated by dissociative electron attachment to xenobiotics?. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 9125-35	3.6	31
36	Relation between electron scattering resonances of isolated NTCDA molecules and maxima in the density of unoccupied states of condensed NTCDA layers. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 761-6	2.8	34
35	Empty-level structure and reactive species produced by dissociative electron attachment to tert-butyl peroxybenzoate. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 3585-92	2.8	4
34	Interruption of the inner rotation initiated in isolated electron-driven molecular rotors. <i>Physical Review A</i> , 2012 , 86,	2.6	5
33	Electron attachment to antipyretics: possible implications of their metabolic pathways. <i>Journal of Chemical Physics</i> , 2012 , 136, 234307	3.9	18
32	Multiexponential model of metastable anions decay. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 052007	0.3	
31	Resonance electron attachment and long-lived negative ions of phthalimide and pyromellitic diimide. <i>Journal of Chemical Physics</i> , 2011 , 135, 184301	3.9	34
30	Degradation of gas phase decabromodiphenyl ether by resonant interaction with low-energy electrons. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9293-300	3.6	16
29	Spectroscopic states of PTCDA negative ions and their relation to the maxima of unoccupied state density in the conduction band. <i>Technical Physics</i> , 2011 , 56, 754-759	0.5	23
28	On the delay mechanism of Cl ⁻ diatomic anion dissociation up to the microsecond timescale. <i>JETP Letters</i> , 2010 , 92, 295-299	1.2	1
27	Electron Attachment to Dye-Sensitized Solar Cell Components: Rhodanine and Rhodanine-3-acetic Acid. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1725-1732	3.8	12
26	Molecular anion formation in 9,10-anthraquinone: Dependence of the electron detachment rate on temperature and incident electron energy. <i>Journal of Chemical Physics</i> , 2010 , 132, 244313	3.9	20
25	Resonance capture of electrons by electroactive organic molecules. <i>Russian Journal of Physical Chemistry B</i> , 2010 , 4, 1014-1027	1.2	7

24	Complex fragmentation pathways of rhodanine and rhodanine-3-acetic acid upon resonant capture of low-energy electrons. <i>International Journal of Mass Spectrometry</i> , 2010 , 294, 93-102	1.9	16
23	Negative ion mass spectra of some phenalenone derivatives. <i>International Journal of Mass Spectrometry</i> , 2008 , 277, 62-69	1.9	2
22	Thermal electron capture by some halopropanes. <i>Radiation Physics and Chemistry</i> , 2007 , 76, 1017-1025	2.5	6
21	Interpreting electron transmission spectroscopy and negative ion mass spectrometry data using a spherical potential well model. <i>Journal of Experimental and Theoretical Physics</i> , 2007 , 104, 357-362	1	2
20	A relation between energies of the short-lived negative ion states and energies of unfilled molecular orbitals for a series of bromoalkanes. <i>Russian Chemical Bulletin</i> , 2007 , 56, 1268-1270	1.7	21
19	Temporary anion states and dissociative electron attachment to nitrobenzene derivatives. <i>International Journal of Mass Spectrometry</i> , 2007 , 264, 22-37	1.9	27
18	Low-energy electron capture by 6-Aza-2-thiothymine: investigations by electron attachment and electron transmission spectroscopies. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 11837-42	2.8	9
17	Temperature dependence of the mean autodetachment lifetime of the p-benzoquinone molecular radical anion. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 383-6	2.2	16
16	Dissociative electron attachment in selected haloalkanes. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 1097-103	2.2	10
15	Thermal electron capture by some chlorobromopropanes. <i>European Physical Journal D</i> , 2005 , 35, 323-326	2.3	5
14	Energy distributions of electrons emitted from tungsten tips covered by diamond-like films. <i>Technical Physics</i> , 2004 , 49, 623-629	0.5	2
13	Temperature dependence of mean autodetachment lifetime of molecular negative ion of p-benzoquinone molecule. <i>Chemical Physics</i> , 2004 , 298, 263-266	2.3	16
12	Field emission energy distributions of electrons from tungsten tip emitters coated with diamond-like film prepared by ion-beam deposition. <i>Diamond and Related Materials</i> , 2004 , 13, 125-132	3.5	9
11	The role of free electrons in MALDI: electron capture by molecules of alpha-cyano-4-hydroxycinnamic acid. <i>European Journal of Mass Spectrometry</i> , 2004 , 10, 477-86	1.1	29
10	Formation of mono-, bi-, and polyradicals upon reduction of poly(arylenesulfophthalides) by metallic lithium. <i>Russian Chemical Bulletin</i> , 2003 , 52, 385-390	1.7	4
9	Long-lived negative ion formation by Alq3. <i>International Journal of Mass Spectrometry</i> , 2003 , 230, 41-44	1.9	6
8	Temperature dependencies of negative ions formation by capture of low-energy electrons for some typical MALDI matrices. <i>International Journal of Mass Spectrometry</i> , 2003 , 227, 259-272	1.9	20
7	Temperature dependence of dissociative electron attachment to molecules of gentisic acid, hydroquinone and p-benzoquinone. <i>International Journal of Mass Spectrometry</i> , 2003 , 227, 281-288	1.9	21

- 6 Electron capture negative ion mass spectra of some typical matrix-assisted laser desorption/ionization matrices. *Rapid Communications in Mass Spectrometry*, **2002**, 16, 1760-5 2.2 27
- 5 Violation of frozen shell approximation in dissociative electron capture by halogenated anthraquinones. *Rapid Communications in Mass Spectrometry*, **2001**, 15, 1869-78 2.2 10
- 4 Chemical purity of diamond-like films produced by ion-beam deposition. *Technical Physics*, **2001**, 46, 1303-1306 2.1 1
- 3 Effect of a thin diamondlike coating on the emission characteristics of tungsten tips. *Technical Physics Letters*, **2000**, 26, 79-80 0.7 1
- 2 Energy distributions of electrons emitted from a diamond film under the action of a strong field. *Technical Physics Letters*, **1999**, 25, 612-614 0.7
- 1 Current state and prospects of dissociative electron attachment spectroscopy. *Physics-Uspexhi*, 2.8 2