Stanislav A Pshenichnyuk

List of Publications by Citations

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	Relation between electron scattering resonances of isolated NTCDA molecules and maxima in the density of unoccupied states of condensed NTCDA layers. *Journal of Physical Chemistry A*, **2012**, 116, 761-6	2.8	34
94	Resonance electron attachment and long-lived negative ions of phthalimide and pyromellitic diimide. *Journal of Chemical Physics*, **2011**, 135, 184301	3.9	34
93	Can mitochondrial dysfunction be initiated by dissociative electron attachment to xenobiotics?. *Physical Chemistry Chemical Physics*, **2013**, 15, 9125-35	3.6	31
92	The role of free electrons in MALDI: electron capture by molecules of alpha-cyano-4-hydroxycinnamic acid. *European Journal of Mass Spectrometry*, **2004**, 10, 477-86	1.1	29
91	Temporary anion states and dissociative electron attachment to nitrobenzene derivatives. *International Journal of Mass Spectrometry*, **2007**, 264, 22-37	1.9	27
90	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
89	Electron attachment to some naphthoquinone derivatives: long-lived molecular anion formation. *Rapid Communications in Mass Spectrometry*, **2014**, 28, 1580-90	2.2	26
88	Gas-phase dissociative electron attachment to flavonoids and possible similarities to their metabolic pathways. *Physical Chemistry Chemical Physics*, **2013**, 15, 1588-600	3.6	26
87	Electron affinity evaluation for nitrobenzene derivatives using negative ion lifetime data. *Rapid Communications in Mass Spectrometry*, **2015**, 29, 910-2	2.2	26
86	Spectroscopic states of PTCDA negative ions and their relation to the maxima of unoccupied state density in the conduction band. *Technical Physics*, **2011**, 56, 754-759	0.5	23
85	Dissociative Electron Attachment to Resveratrol as a Likely Pathway for Generation of the H2 Antioxidant Species Inside Mitochondria. *Journal of Physical Chemistry Letters*, **2015**, 6, 1104-10	6.4	22
84	Structure of vacant electronic states of an oxidized germanium surface upon deposition of perylene tetracarboxylic dianhydride films. *Physics of the Solid State*, **2016**, 58, 377-381	0.8	21
83	A relation between energies of the short-lived negative ion states and energies of unfilled molecular orbitals for a series of bromoalkanes. *Russian Chemical Bulletin*, **2007**, 56, 1268-1270	1.7	21
82	Temperature dependence of dissociative electron attachment to molecules of gentisic acid, hydroquinone and p-benzoquinone. *International Journal of Mass Spectrometry*, **2003**, 227, 281-288	1.9	21
81	Molecular anion formation in 9,10-anthraquinone: Dependence of the electron detachment rate on temperature and incident electron energy. *Journal of Chemical Physics*, **2010**, 132, 244313	3.9	20
80	Temperature dependencies of negative ions formation by capture of low-energy electrons for some typical MALDI matrices. *International Journal of Mass Spectrometry*, **2003**, 227, 259-272	1.9	20
79	Electron attachment to antipyretics: possible implications of their metabolic pathways. *Journal of Chemical Physics*, **2012**, 136, 234307	3.9	18

78	Hypothesis for the Mechanism of Ascorbic Acid Activity in Living Cells Related to Its Electron-Accepting Properties. *Journal of Physical Chemistry A*, **2016**, 120, 2667-76	2.8	18
77	Resonance electron attachment to tetracyanoquinodimethane. *Journal of Physical Chemistry A*, **2014**, 118, 6810-8	2.8	16
76	Degradation of gas phase decabromodiphenyl ether by resonant interaction with low-energy electrons. *Physical Chemistry Chemical Physics*, **2011**, 13, 9293-300	3.6	16
75	Complex fragmentation pathways of rhodanine and rhodanine-3-acetic acid upon resonant capture of low-energy electrons. *International Journal of Mass Spectrometry*, **2010**, 294, 93-102	1.9	16
74	Temperature dependence of the mean autodetachment lifetime of the p-benzoquinone molecular radical anion. *Rapid Communications in Mass Spectrometry*, **2006**, 20, 383-6	2.2	16
73	Temperature dependence of mean autodetachment lifetime of molecular negative ion of p-benzoquinone molecule. *Chemical Physics*, **2004**, 298, 263-266	2.3	16
72	Dissociative electron attachment to 2,4,6-trichloroanisole and 2,4,6-tribromoanisole molecules. *Journal of Chemical Physics*, **2017**, 147, 234302	3.9	15
71	Interconnections between dissociative electron attachment and electron-driven biological processes. *International Reviews in Physical Chemistry*, **2018**, 37, 125-170	7	14
70	Dissociative Electron Attachment to Anthralin to Model Its Biochemical Reactions. *Journal of Physical Chemistry Letters*, **2014**, 5, 2916-21	6.4	14
69	Electron attachment to indole and related molecules. *Journal of Chemical Physics*, **2013**, 139, 184305	3.9	13
68	Low-energy electron interaction with retusin extracted from Maackia amurensis: towards a molecular mechanism of the biological activity of flavonoids. *Physical Chemistry Chemical Physics*, **2015**, 17, 16805-12	3.6	13
67	4-Bromobiphenyl: Long-lived molecular anion formation and competition between electron detachment and dissociation. *Journal of Chemical Physics*, **2019**, 150, 114304	3.9	12
66	Electron attachment to the phthalide molecule. *Journal of Chemical Physics*, **2015**, 142, 174308	3.9	12
65	Electron Attachment to Dye-Sensitized Solar Cell Components: Rhodanine and Rhodanine-3-acetic Acid. *Journal of Physical Chemistry C*, **2010**, 114, 1725-1732	3.8	12
64	Low-Energy Electron Interaction with Melatonin and Related Compounds. *Journal of Physical Chemistry B*, **2017**, 121, 3965-3974	3.4	11
63	Resonance electron attachment to plant hormones and its likely connection with biochemical processes. *Journal of Chemical Physics*, **2014**, 140, 034313	3.9	10
62	Electronic properties of the interface between hexadecafluoro copper phthalocyanine and unsubstituted copper phthalocyanine films. *Semiconductors*, **2013**, 47, 956-961	0.7	10
61	Internal conversion as the main stabilization mechanism for long-lived negative molecular ions. *Technical Physics*, **2014**, 59, 1277-1285	0.5	10

60	Dissociative electron attachment in selected haloalkanes. *Rapid Communications in Mass Spectrometry*, **2006**, 20, 1097-103	2.2	10
59	Violation of frozen shell approximation in dissociative electron capture by halogenated anthraquinones. *Rapid Communications in Mass Spectrometry*, **2001**, 15, 1869-78	2.2	10
58	Conduction band electronic states of ultrathin layers of thiophene/phenylene co-oligomers on an oxidized silicon surface. *Journal of Electron Spectroscopy and Related Phenomena*, **2019**, 235, 40-45	1.7	9
57	Low-energy electron capture by 6-Aza-2-thiothymine: investigations by electron attachment and electron transmission spectroscopies. *Journal of Physical Chemistry A*, **2007**, 111, 11837-42	2.8	9
56	Field emission energy distributions of electrons from tungsten tip emitters coated with diamond-like film prepared by ion-beam deposition. *Diamond and Related Materials*, **2004**, 13, 125-132	3.5	9
55	ETS and DEAS studies of the reduction of xenobiotics in mitochondrial intermembrane space. *Methods in Molecular Biology*, **2015**, 1265, 285-305	1.4	9
54	Role of Resonance Electron Attachment in Phytoremediation of Halogenated Herbicides. *Journal of Physical Chemistry B*, **2016**, 120, 12098-12104	3.4	8
53	Why Can Unnatural Electron Acceptors Protect Photosynthesizing Organisms but Kill the Others?. *Journal of Physical Chemistry B*, **2017**, 121, 749-757	3.4	7
52	Resonance capture of electrons by electroactive organic molecules. *Russian Journal of Physical Chemistry B*, **2010**, 4, 1014-1027	1.2	7
51	Electron stimulated ring opening in diphenylphthalide dicarboxylic acid: Its likely role in the unique properties of phthalide-based materials. *Journal of Chemical Physics*, **2019**, 151, 214309	3.9	7
50	Dissociative electron attachment to some spinochromes: Fragment anion formation. *International Journal of Mass Spectrometry*, **2017**, 412, 26-37	1.9	6
49	Thermal electron capture by some halopropanes. *Radiation Physics and Chemistry*, **2007**, 76, 1017-1025	2.5	6
48	Long-lived negative ion formation by Alq3. *International Journal of Mass Spectrometry*, **2003**, 230, 41-44	1.9	6
47	Generation and Fragmentation of Phthalide Derivative Negative Ions. *Technical Physics*, **2018**, 63, 1054-1059	0.9	6
46	Structural rearrangements as relaxation pathway for molecular negative ions formed via vibrational Feshbach resonance. *Physical Chemistry Chemical Physics*, **2020**, 22, 16150-16156	3.6	5
45	Can the Electron-Accepting Properties of Odorants Be Involved in Their Recognition by the Olfactory System?. *Journal of Physical Chemistry Letters*, **2018**, 9, 2320-2325	6.4	5
44	Fragmentation of chlorpyrifos by thermal electron attachment: a likely relation to its metabolism and toxicity. *Physical Chemistry Chemical Physics*, **2018**, 20, 22272-22283	3.6	5
43	Interruption of the inner rotation initiated in isolated electron-driven molecular rotors. *Physical Review A*, **2012**, 86,	2.6	5

42	Thermal electron capture by some chlorobromopropanes. *European Physical Journal D*, **2005**, 35, 323-326	1.3	5
41	Estimating electron affinity from the lifetime of negative molecular ions: Cycloheptatriene derivatives. *Russian Journal of Physical Chemistry A*, **2017**, 91, 915-920	0.7	4
40	Dissociative electron attachment to 3-benzelidenephthalide and phenolphthalein molecules. *Journal of Chemical Physics*, **2019**, 151, 134302	3.9	4
39	Electron attachment to chlorinated alcohols. *Chemical Physics Letters*, **2015**, 634, 203-209	2.5	4
38	Resonance electron interaction with five-membered heterocyclic compounds: Vibrational Feshbach resonances and hydrogen-atom stripping. *Physical Review A*, **2019**, 100,	2.6	4
37	Empty-level structure and reactive species produced by dissociative electron attachment to tert-butyl peroxybenzoate. *Journal of Physical Chemistry A*, **2012**, 116, 3585-92	2.8	4
36	Formation of mono-, bi-, and polyradicals upon reduction of poly(arylenesulfophthalides) by metallic lithium. *Russian Chemical Bulletin*, **2003**, 52, 385-390	1.7	4
35	Electron attachment spectroscopy as a tool to study internal rotations in isolated negative ions. *Physical Review Research*, **2020**, 2,	3.9	4
34	Atomic Composition and Morphology of Thin Films of Resveratrol Deposited on Oxidized Silicon and Polycrystalline Gold Surfaces. *Physics of the Solid State*, **2019**, 61, 468-473	0.8	3
33	Dissociative Electron Attachment to 2,3,6,7,10,11-Hexabromotriphenylene. *Journal of Physical Chemistry A*, **2020**, 124, 690-694	2.8	3
32	Density of Electronic States in the Conduction Band of Ultrathin Films of Naphthalenedicarboxylic Anhydride and Naphthalenetetracarboxylic Dianhydride on the Surface of Oxidized Silicon. *Physics of the Solid State*, **2018**, 60, 804-808	0.8	3
31	Resonance electron attachment to natural polyphenolic compounds and their biological activity. *Letters on Materials*, **2015**, 5, 504-512	0.9	3
30	Unoccupied Electron States and the Formation of Interface between Films of Dimethyl-Substituted ThiophenePhenylene Coolygomers and Oxidized Silicon Surface. *Physics of the Solid State*, **2018**, 60, 1029-1034	0.8	3
29	The Unoccupied Electronic States of the Ultrathin Diphenylphthalide Films on the Surface of the Highly Oriented Pyrolytic Graphite. *Physics of the Solid State*, **2019**, 61, 1922-1926	0.8	2
28	Electronic structure of the conduction band of the interface region of ultrathin films of substituted perylenedicarboximides and the germanium oxide surface. *Physics of the Solid State*, **2016**, 58, 1901-1905	0.8	2
27	Atomic composition and stability of LangmuirBlodgett monolayers based on siloxane dimer of quaterthiophene on the surface of polycrystalline gold. *Physics of the Solid State*, **2017**, 59, 2491-2496	0.8	2
26	An electron transmission spectrometer with a trochoidal electron monochromator. *Instruments and Experimental Techniques*, **2013**, 56, 76-79	0.5	2
25	Interpreting electron transmission spectroscopy and negative ion mass spectrometry data using a spherical potential well model. *Journal of Experimental and Theoretical Physics*, **2007**, 104, 357-362	1	2

24	Negative ion mass spectra of some phenalenone derivatives. *International Journal of Mass Spectrometry*, **2008**, 277, 62-69	1.9	2
23	Energy distributions of electrons emitted from tungsten tips covered by diamond-like films. *Technical Physics*, **2004**, 49, 623-629	0.5	2
22	Propagation of Low-Energy Electrons and the Density of Unoccupied States in Ultrathin TCNQ Layers on the Oxidized Silicon Surface. *Physics of the Solid State*, **2020**, 62, 1245-1250	0.8	2
21	Ionizing radiation and natural constituents of living cells: Low-energy electron interaction with coenzyme Q analogs. *Journal of Chemical Physics*, **2020**, 153, 111103	3.9	2
20	5-Nitro-2,4-Dichloropyrimidine as an Universal Model for Low-Energy Electron Processes Relevant for Radiosensitization. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
19	Unoccupied Electronic States and Potential Barrier in Films of Substituted Diphenylphthalides on the Surface of Highly Ordered Pyrolytic Graphite. *Physics of the Solid State*, **2021**, 63, 362-367	0.8	2
18	Current state and prospects of dissociative electron attachment spectroscopy. *Physics-Uspekhi*,	2.8	2
17	Density of Vacant Electronic States of Semiconductor Films of Molecules of Naphthalene and Diphenylphthalide Modified by Electroactive Functional Groups. *Physics of the Solid State*, **2020**, 62, 1256-1261	0.8	1
16	Resonance electron capture by the molecules of □and □C(14)-methoxy isomers of 10,12-dehydro-8,9-seco-8,9-dioxolappaconine and its oxo derivative. *High Energy Chemistry*, **2016**, 50, 433-437	0.9	1
15	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. *Organic Photonics and Photovoltaics*, **2015**, 3,	5	1
14	Negative ion mass spectra of hydrophilic naphtoquinones. *Journal of Analytical Chemistry*, **2013**, 68, 1162-1164	1.1	1
13	Density of unoccupied electronic states of vapor-deposited films of dioctyl-substituted and diphenyl-substituted perylenedicarboximides. *Physics of the Solid State*, **2017**, 59, 403-407	0.8	1
12	On the delay mechanism of Cl□ diatomic anion dissociation up to the microsecond timescale. *JETP Letters*, **2010**, 92, 295-299	1.2	1
11	Chemical purity of diamond-like films produced by ion-beam deposition. *Technical Physics*, **2001**, 46, 1303-1306	0.5	1
10	Effect of a thin diamondlike coating on the emission characteristics of tungsten tips. *Technical Physics Letters*, **2000**, 26, 79-80	0.7	1
9	Unoccupied Electron States of Ultrathin Films of Thiophene□Phenylene Cooligomers on the Surface of Polycrystalline Gold. *Physics of the Solid State*, **2020**, 62, 1960-1966	0.8	1
8	Microsecond dynamics of molecular negative ions formed by low-energy electron attachment to fluorinated tetracyanoquinodimethane. *Journal of Chemical Physics*, **2021**, 155, 184301	3.9	0
7	Non-covalent anion structures in dissociative electron attachment to some brominated biphenyls.. *Journal of Chemical Physics*, **2021**, 155, 244302	3.9	0

6	Multiexponential model of metastable anions decay. *Journal of Physics: Conference Series*, **2012**, 388, 052007	0.3
5	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
4	Resonance electron interaction with heterocyclic compounds: vibrational Feshbach resonances and hydrogen atom stripping. *Journal of Physics: Conference Series*, **2020**, 1412, 212003	0.3
3	Dissociative Electron Attachment to 2,6- and 2,5-Dihydroxyacetophenone. *Journal of Analytical Chemistry*, **2019**, 74, 1296-1304	1.1
2	Electron Attachment to Isolated Molecules as a Probe to Understand Mitochondrial Reductive Processes. *Methods in Molecular Biology*, **2021**, 2277, 101-124	1.4
1	Doping of a Nonconjugated Polymer by an Organic Compound with Two Stable Energy States. *Technical Physics*, **2021**, 66, 1319-1323	0.5