

Stanislav A Pshenichnyuk

List of Publications by Year in descending order

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361045

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26
g-index

99
all docs

99
docs citations

99
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the art in dissociative electron attachment spectroscopy and its prospects. <i>Physics-Uspekhi</i> , 2022, 65, 163-188.	0.8	15
2	Dissociative Electron Attachment to Hexachlorobenzene. <i>ChemPhysChem</i> , 2022, 23, .	1.0	1
3	Electron Attachment to Isolated Molecules as a Probe to Understand Mitochondrial Reductive Processes. <i>Methods in Molecular Biology</i> , 2021, 2277, 101-124.	0.4	1
4	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.	0.2	3
5	Microsecond dynamics of molecular negative ions formed by low-energy electron attachment to fluorinated tetracyanoquinodimethane. <i>Journal of Chemical Physics</i> , 2021, 155, 184301.	1.2	4
6	Non-covalent anion structures in dissociative electron attachment to some brominated biphenyls. <i>Journal of Chemical Physics</i> , 2021, 155, 244302.	1.2	6
7	Doping of a Nonconjugated Polymer by an Organic Compound with Two Stable Energy States. <i>Technical Physics</i> , 2021, 66, 1319-1323.	0.2	0
8	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.	1.2	3
9	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, 8173.	1.8	5
10	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	0
11	Structural rearrangements as relaxation pathway for molecular negative ions formed via vibrational Feshbach resonance. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16150-16156.	1.3	8
12	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.	0.2	1
13	Dissociative Electron Attachment to 2,3,6,7,10,11-Hexabromotriphenylene. <i>Journal of Physical Chemistry A</i> , 2020, 124, 690-694.	1.1	6
14	Electron attachment spectroscopy as a tool to study internal rotations in isolated negative ions. <i>Physical Review Research</i> , 2020, 2, .	1.3	5
15	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.	0.2	2
16	Unoccupied Electron States of Ultrathin Films of Thiophene-Phenylene Cooligomers on the Surface of Polycrystalline Gold. <i>Physics of the Solid State</i> , 2020, 62, 1960-1966.	0.2	2
17	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.	0.8	17
18	Resonance electron interaction with five-membered heterocyclic compounds: Vibrational Feshbach resonances and hydrogen-atom stripping. <i>Physical Review A</i> , 2019, 100, .	1.0	10

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19	Dissociative electron attachment to 3-benzelidene-phthalide and phenolphthalein molecules. <i>Journal of Chemical Physics</i> , 2019, 151, 134302.	1.2	6
20	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.	0.2	3
21	4-Bromobiphenyl: Long-lived molecular anion formation and competition between electron detachment and dissociation. <i>Journal of Chemical Physics</i> , 2019, 150, 114304.	1.2	17
22	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.	0.2	3
23	Dissociative Electron Attachment to 2,6- and 2,5-Dihydroxyacetophenone. <i>Journal of Analytical Chemistry</i> , 2019, 74, 1296-1304.	0.4	1
24	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.	1.2	10
25	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.	2.1	9
26	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.	0.2	3
27	Interconnections between dissociative electron attachment and electron-driven biological processes. <i>International Reviews in Physical Chemistry</i> , 2018, 37, 125-170.	0.9	25
28	Generation and Fragmentation of Phthalide Derivative Negative Ions. <i>Technical Physics</i> , 2018, 63, 1054-1059.	0.2	6
29	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.	0.2	3
30	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.	1.3	5
31	Low-Energy Electron Interaction with Melatonin and Related Compounds. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3965-3974.	1.2	17
32	Estimating electron affinity from the lifetime of negative molecular ions: Cycloheptatriene derivatives. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 915-920.	0.1	4
33	Why Can Unnatural Electron Acceptors Protect Photosynthesizing Organisms but Kill the Others?. <i>Journal of Physical Chemistry B</i> , 2017, 121, 749-757.	1.2	8
34	Dissociative electron attachment to some spinochromes: Fragment anion formation. <i>International Journal of Mass Spectrometry</i> , 2017, 412, 26-37.	0.7	7
35	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.	0.2	1
36	Dissociative electron attachment to 2,4,6-trichloroanisole and 2,4,6-tribromoanisole molecules. <i>Journal of Chemical Physics</i> , 2017, 147, 234302.	1.2	22

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37	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.	0.2	2
38	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, 2667-2676.	1.1	19
39	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.	0.2	23
40	Resonance electron capture by the molecules of $\hat{1}\pm$ - and $\hat{1}^2$ -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.	0.2	1
41	Role of Resonance Electron Attachment in Phytoremediation of Halogenated Herbicides. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12098-12104.	1.2	9
42	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.	0.2	3
43	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, .	1.3	1
44	Electron affinity evaluation for nitrobenzene derivatives using negative ion lifetime data. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 910-912.	0.7	33
45	Dissociative Electron Attachment to Resveratrol as a Likely Pathway for Generation of the H_{2}^{\bullet} Antioxidant Species Inside Mitochondria. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1104-1110.	2.1	26
46	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, 16805-16812.	1.3	16
47	Electron attachment to chlorinated alcohols. <i>Chemical Physics Letters</i> , 2015, 634, 203-209.	1.2	5
48	Electron attachment to the phthalide molecule. <i>Journal of Chemical Physics</i> , 2015, 142, 174308.	1.2	13
49	ETS and DEAS Studies of the Reduction of Xenobiotics in Mitochondrial Intermembrane Space. <i>Methods in Molecular Biology</i> , 2015, 1265, 285-305.	0.4	9
50	Resonance electron attachment to natural polyphenolic compounds and their biological activity. <i>Letters on Materials</i> , 2015, 5, 504-512.	0.2	3
51	Internal conversion as the main stabilization mechanism for long-lived negative molecular ions. <i>Technical Physics</i> , 2014, 59, 1277-1285.	0.2	13
52	Dissociative Electron Attachment to Anthralin to Model Its Biochemical Reactions. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2916-2921.	2.1	15
53	Resonance Electron Attachment to Tetracyanoquinodimethane. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6810-6818.	1.1	16
54	Resonance electron attachment to plant hormones and its likely connection with biochemical processes. <i>Journal of Chemical Physics</i> , 2014, 140, 034313.	1.2	10

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55	Electron attachment to some naphthoquinone derivatives: long-lived molecular anion formation. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1580-1590.	0.7	36
56	Electronic properties of the interface between hexadecafluoro copper phthalocyanine and unsubstituted copper phthalocyanine films. <i>Semiconductors</i> , 2013, 47, 956-961.	0.2	11
57	Electron attachment to indole and related molecules. <i>Journal of Chemical Physics</i> , 2013, 139, 184305.	1.2	13
58	Negative ion mass spectra of hydrophilic naphthoquinones. <i>Journal of Analytical Chemistry</i> , 2013, 68, 1162-1164.	0.4	1
59	Gas-phase dissociative electron attachment to flavonoids and possible similarities to their metabolic pathways. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1588-1600.	1.3	29
60	An electron transmission spectrometer with a trochoidal electron monochromator. <i>Instruments and Experimental Techniques</i> , 2013, 56, 76-79.	0.1	2
61	Can mitochondrial dysfunction be initiated by dissociative electron attachment to xenobiotics?. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9125.	1.3	31
62	Interruption of the inner rotation initiated in isolated electron-driven molecular rotors. <i>Physical Review A</i> , 2012, 86, .	1.0	8
63	Electron attachment to antipyretics: Possible implications of their metabolic pathways. <i>Journal of Chemical Physics</i> , 2012, 136, 234307.	1.2	20
64	Multiexponential model of metastable anions decay. <i>Journal of Physics: Conference Series</i> , 2012, 388, 052007.	0.3	0
65	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, 761-766.	1.1	35
66	Empty-Level Structure and Reactive Species Produced by Dissociative Electron Attachment to tert-Butyl Peroxybenzoate. <i>Journal of Physical Chemistry A</i> , 2012, 116, 3585-3592.	1.1	5
67	Resonance electron attachment and long-lived negative ions of phthalimide and pyromellitic diimide. <i>Journal of Chemical Physics</i> , 2011, 135, 184301.	1.2	40
68	Degradation of gas phase decabromodiphenyl ether by resonant interaction with low-energy electrons. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9293.	1.3	17
69	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.	0.2	25
70	Resonance capture of electrons by electroactive organic molecules. <i>Russian Journal of Physical Chemistry B</i> , 2010, 4, 1014-1027.	0.2	9
71	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.	0.7	16
72	On the delay mechanism of Cl ₂ ⁻ diatomic anion dissociation up to the microsecond timescale. <i>JETP Letters</i> , 2010, 92, 295-299.	0.4	1

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73	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.	1.5	13
74	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.	1.2	21
75	Negative ion mass spectra of some phenalenone derivatives. <i>International Journal of Mass Spectrometry</i> , 2008, 277, 62-69.	0.7	3
76	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, 11837-11842.	1.1	9
77	Thermal electron capture by some halopropanes. <i>Radiation Physics and Chemistry</i> , 2007, 76, 1017-1025.	1.4	7
78	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.	0.2	3
79	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.	0.4	22
80	Temporary anion states and dissociative electron attachment to nitrobenzene derivatives. <i>International Journal of Mass Spectrometry</i> , 2007, 264, 22-37.	0.7	29
81	Temperature dependence of the mean autodetachment lifetime of the p-benzoquinone molecular radical anion. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 383-386.	0.7	20
82	Dissociative electron attachment in selected haloalkanes. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1097-1103.	0.7	12
83	Thermal electron capture by some chlorobromopropanes. <i>European Physical Journal D</i> , 2005, 35, 323-326.	0.6	5
84	Energy distributions of electrons emitted from tungsten tips covered by diamond-like films. <i>Technical Physics</i> , 2004, 49, 623-629.	0.2	2
85	Temperature dependence of mean autodetachment lifetime of molecular negative ion of p-benzoquinone molecule. <i>Chemical Physics</i> , 2004, 298, 263-266.	0.9	17
86	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.	1.8	9
87	The Role of Free Electrons in Matrix-Assisted Laser Desorption/Ionization: Electron Capture by Molecules of β -Cyano-4-Hydroxycinnamic Acid. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 477-486.	0.5	30
88	Title is missing!. <i>Russian Chemical Bulletin</i> , 2003, 52, 385-390.	0.4	4
89	Long-lived negative ion formation by Alq ₃ . <i>International Journal of Mass Spectrometry</i> , 2003, 230, 41-44.	0.7	10
90	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.	0.7	21

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91	Temperature dependence of dissociative electron attachment to molecules of gentisic acid, hydroquinone and p-benzoquinone. International Journal of Mass Spectrometry, 2003, 227, 281-288.	0.7	22
92	Electron capture negative ion mass spectra of some typical matrix-assisted laser desorption/ionization matrices. Rapid Communications in Mass Spectrometry, 2002, 16, 1760-1765.	0.7	29
93	Violation of frozen shell approximation in dissociative electron capture by halogenated anthraquinones. Rapid Communications in Mass Spectrometry, 2001, 15, 1869-1878.	0.7	12
94	Chemical purity of diamond-like films produced by ion-beam deposition. Technical Physics, 2001, 46, 1303-1306.	0.2	1
95	Effect of a thin diamondlike coating on the emission characteristics of tungsten tips. Technical Physics Letters, 2000, 26, 79-80.	0.2	2
96	Energy distributions of electrons emitted from a diamond film under the action of a strong field. Technical Physics Letters, 1999, 25, 612-614.	0.2	0
97	Field emission properties of diamond thin films. , 1996, , .		0