

Yuri P Tsentalovich

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,389
citations

346980

22
h-index

425179

34
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59
all docs

59
docs citations

59
times ranked

1521
citing authors

#	ARTICLE	IF	CITATIONS
1	Blood Plasma Exosomes Contain Circulating DNA in Their Crown. <i>Diagnostics</i> , 2022, 12, 854.	1.3	11
2	Metabolomic Analysis Reveals That the Moor Frog <i>Rana arvalis</i> Uses Both Glucose and Glycerol as Cryoprotectants. <i>Animals</i> , 2022, 12, 1286.	1.0	7
3	The Effect of Blood Contained in the Samples on the Metabolomic Profile of Mouse Brain Tissue: A Study by NMR Spectroscopy. <i>Molecules</i> , 2021, 26, 3096.	1.7	11
4	Kinetic Studies of Antioxidant Properties of Ovoidiol A. <i>Antioxidants</i> , 2021, 10, 1470.	2.2	11
5	Biochemical Response to Freezing in the Siberian Salamander <i>Salamandrella keyserlingii</i> . <i>Biology</i> , 2021, 10, 1172.	1.3	7
6	Deep Learning for the Precise Peak Detection in High-Resolution LC-MS Data. <i>Analytical Chemistry</i> , 2020, 92, 588-592.	3.2	101
7	UV-A induced damage to lysozyme via Type I photochemical reactions sensitized by kynurenic acid. <i>Free Radical Biology and Medicine</i> , 2020, 152, 482-493.	1.3	13
8	Application of EPR to porphyrin-protein agents for photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 211, 112008.	1.7	22
9	Proteomic Profiling of Plasma and Total Blood Exosomes in Breast Cancer: A Potential Role in Tumor Progression, Diagnosis, and Prognosis. <i>Frontiers in Oncology</i> , 2020, 10, .	1.3	17
10	Most abundant metabolites in tissues of freshwater fish pike-perch (<i>Sander lucioperca</i>). <i>Scientific Reports</i> , 2020, 10, 17128.	1.6	16
11	Metabolic response of the Siberian wood frog <i>Rana amurensis</i> to extreme hypoxia. <i>Scientific Reports</i> , 2020, 10, 14604.	1.6	24
12	Comparative Metabolomic Profiling of Rat Embryonic and Induced Pluripotent Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 1256-1265.	1.7	4
13	Proteomic Analysis of Blood Exosomes from Healthy Females and Breast Cancer Patients Reveals an Association between Different Exosomal Bioactivity on Non-tumorigenic Epithelial Cell and Breast Cancer Cell Migration in Vitro. <i>Biomolecules</i> , 2020, 10, 495.	1.8	27
14	Post-mortem changes in metabolomic profiles of human serum, aqueous humor and vitreous humor. <i>Metabolomics</i> , 2020, 16, 80.	1.4	27
15	Fucose Ameliorates Tryptophan Metabolism and Behavioral Abnormalities in a Mouse Model of Chronic Colitis. <i>Nutrients</i> , 2020, 12, 445.	1.7	25
16	Proton-coupled electron transfer as the mechanism of reaction between triplet state of kynurenic acid and tryptophan. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 396, 112522.	2.0	10
17	Exploring the reactivity of β -cyclodextrin-encapsulated anthraquinone-2,6-disulfonate. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2020, 97, 121-127.	0.9	0
18	Evaluation of sample preparation protocols for quantitative NMR-based metabolomics. <i>Metabolomics</i> , 2019, 15, 84.	1.4	27

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19	Ovothiol A is the Main Antioxidant in Fish Lens. <i>Metabolites</i> , 2019, 9, 95.	1.3	23
20	Quantitative metabolomic analysis of changes in the lens and aqueous humor under development of age-related nuclear cataract. <i>Metabolomics</i> , 2019, 15, 29.	1.4	36
21	Seasonal Variations and Interspecific Differences in Metabolomes of Freshwater Fish Tissues: Quantitative Metabolomic Profiles of Lenses and Gills. <i>Metabolites</i> , 2019, 9, 264.	1.3	19
22	A novel method of sample homogenization with the use of a microtome-cryostat apparatus. <i>RSC Advances</i> , 2019, 9, 37809-37817.	1.7	5
23	Ultrafast excited state decay of natural UV filters: from intermolecular hydrogen bonds to a conical intersection. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15074-15085.	1.3	3
24	Acid-alkaline properties of triplet state and radical of kynurenic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 365, 7-12.	2.0	10
25	Visualising the membrane viscosity of porcine eye lens cells using molecular rotors. <i>Chemical Science</i> , 2017, 8, 3523-3528.	3.7	71
26	Metabolomics of the human aqueous humor. <i>Metabolomics</i> , 2017, 13, 1.	1.4	30
27	Optical properties of the human lens constituents. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 318-324.	1.7	9
28	Dimerization and oxidation of tryptophan in UV-A photolysis sensitized by kynurenic acid. <i>Free Radical Biology and Medicine</i> , 2017, 113, 372-384.	1.3	30
29	Investigation of β -cyclodextrin complex formation with 2,2'-dipyridine in ground and excited triplet states. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2017, 89, 117-125.	0.9	2
30	Quantitative metabolomic analysis of the human cornea and aqueous humor. <i>Metabolomics</i> , 2017, 13, 1.	1.4	32
31	Post-mortem changes in the metabolomic compositions of rabbit blood, aqueous and vitreous humors. <i>Metabolomics</i> , 2016, 12, 1.	1.4	25
32	Protein Content of Circulating Nucleoprotein Complexes. <i>Advances in Experimental Medicine and Biology</i> , 2016, 924, 133-136.	0.8	6
33	Effect of the spacer length and nitroxide sterical shielding upon photostability of spin-labeled kynurenines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 322-323, 76-84.	2.0	1
34	Spatial distribution of metabolites in the human lens. <i>Experimental Eye Research</i> , 2016, 143, 68-74.	1.2	17
35	Metabolomic composition of normal aged and cataractous human lenses. <i>Experimental Eye Research</i> , 2015, 134, 15-23.	1.2	68
36	Effect of SkQ1 eye drops on the rat lens metabolomic composition and the chaperone activity of β -crystallin. <i>Doklady Biochemistry and Biophysics</i> , 2015, 464, 341-345.	0.3	3

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37	Metabolomics of the rat lens: A combined LC-MS and NMR study. <i>Experimental Eye Research</i> , 2014, 125, 71-78.	1.2	55
38	Magnetic resonance imaging (MRI) study of the water content and transport in rat lenses. <i>Experimental Eye Research</i> , 2013, 113, 162-171.	1.2	6
39	Photochemistry of aqueous solutions of kynurenic acid and kynurenine yellow. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 546-558.	1.6	30
40	Photochemical Properties of UV Filter Molecules of the Human Eye. , 2011, 52, 7687.		43
41	Deactivation of Excited States of Kynurenine Covalently Linked to Nitroxides. <i>Photochemistry and Photobiology</i> , 2011, 87, 22-31.	1.3	5
42	Age-related changes in the water-soluble lens protein composition of Wistar and accelerated-senescence OXYS rats. <i>Molecular Vision</i> , 2011, 17, 1457-67.	1.1	11
43	Antioxidative properties of nitroxyl radicals and hydroxyamines in reactions with triplet and deaminated kynurenine. <i>Russian Chemical Bulletin</i> , 2010, 59, 66-74.	0.4	14
44	Photoinduced tautomeric transformations of xanthurenic acid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9502.	1.3	15
45	Photophysics and Photochemistry of the UV Filter Kynurenine Covalently Attached to Amino Acids and to a Model Protein. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11909-11919.	1.2	26
46	Ultrafast Excited-State Dynamics of Kynurenine, a UV Filter of the Human Eye. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4953-4962.	1.2	66
47	Experimental and quantum chemical study of photochemical properties of 4-hydroxyquinoline. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1550-1557.	1.6	29
48	Kinetics and mechanism of thermal decomposition of kynurenines and biomolecular conjugates: Ramifications for the modification of mammalian eye lens proteins. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2958.	1.5	4
49	Tryptophan and kynurenine levels in lenses of Wistar and accelerated-senescence OXYS rats. <i>Molecular Vision</i> , 2009, 15, 2780-8.	1.1	10
50	Deaminated UV filter 3-hydroxykynurenine O- ¹² -d-glucoside is found in cataractous human lenses. <i>Experimental Eye Research</i> , 2008, 86, 951-956.	1.2	19
51	UV filter decomposition. A study of reactions of 4-(2-aminophenyl)-4-oxocrotonic acid with amino acids and antioxidants present in the human lens. <i>Experimental Eye Research</i> , 2007, 85, 242-249.	1.2	24
52	Photochemical and thermal reactivity of kynurenine. <i>Experimental Eye Research</i> , 2006, 83, 1439-1445.	1.2	52
53	Study of the photoinduced formose reaction by flash and stationary photolysis. <i>Mendeleev Communications</i> , 2006, 16, 9-11.	0.6	14
54	Photochemistry of Kynurenine, a Tryptophan Metabolite: Properties of the Triplet State. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3565-3568.	1.1	37

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55	Properties of excited states of aqueous tryptophan. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 162, 371-379.	2.0	65
56	Tryptophan photoionization from prefluorescent and fluorescent states. Chemical Physics Letters, 2004, 391, 44-49.	1.2	24
57	Tryptophan photoionization from prefluorescent and fluorescent states. Chemical Physics Letters, 2004, 391, 44-44.	1.2	4
58	Solvent Effect on the Rate of \hat{I}^2 -Scission of the tert-Butoxyl Radical. Journal of Physical Chemistry A, 1998, 102, 7975-7980.	1.1	86