Yuri P Tsentalovich

List of Publications by Year in descending order

58 papers	1,389 citations	304701 22 h-index	377849 34 g-index
59 all docs	59 docs citations	59 times ranked	1397 citing authors

#	Article	IF	Citations
1	Blood Plasma Exosomes Contain Circulating DNA in Their Crown. Diagnostics, 2022, 12, 854.	2.6	11
2	Metabolomic Analysis Reveals That the Moor Frog Rana arvalis Uses Both Glucose and Glycerol as Cryoprotectants. Animals, 2022, 12, 1286.	2.3	7
3	The Effect of Blood Contained in the Samples on the Metabolomic Profile of Mouse Brain Tissue: A Study by NMR Spectroscopy. Molecules, 2021, 26, 3096.	3.8	11
4	Kinetic Studies of Antioxidant Properties of Ovothiol A. Antioxidants, 2021, 10, 1470.	5.1	11
5	Biochemical Response to Freezing in the Siberian Salamander Salamandrella keyserlingii. Biology, 2021, 10, 1172.	2.8	7
6	Deep Learning for the Precise Peak Detection in High-Resolution LCâ€“MS Data. Analytical Chemistry, 2020, 92, 588-592.	6.5	101
7	UV-A induced damage to lysozyme via Type I photochemical reactions sensitized by kynurenic acid. Free Radical Biology and Medicine, 2020, 152, 482-493.	2.9	13
8	Application of EPR to porphyrin-protein agents for photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2020, 211, 112008.	3.8	22
9	Proteomic Profiling of Plasma and Total Blood Exosomes in Breast Cancer: A Potential Role in Tumor Progression, Diagnosis, and Prognosis. Frontiers in Oncology, 2020, 10, .	2.8	17
10	Most abundant metabolites in tissues of freshwater fish pike-perch (Sander lucioperca). Scientific Reports, 2020, 10, 17128.	3.3	16
11	Metabolic response of the Siberian wood frog Rana amurensis to extreme hypoxia. Scientific Reports, 2020, 10, 14604.	3.3	24
12	Comparative Metabolomic Profiling of Rat Embryonic and Induced Pluripotent Stem Cells. Stem Cell Reviews and Reports, 2020, 16, 1256-1265.	3.8	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. Biomolecules, 2020, 10, 495.	4.0	27
14	Post-mortem changes in metabolomic profiles of human serum, aqueous humor and vitreous humor. Metabolomics, 2020, 16, 80.	3.0	27
15	Fucose Ameliorates Tryptophan Metabolism and Behavioral Abnormalities in a Mouse Model of Chronic Colitis. Nutrients, 2020, 12, 445.	4.1	25
16	Proton-coupled electron transfer as the mechanism of reaction between triplet state of kynurenic acid and tryptophan. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 396, 112522.	3.9	10
17	Exploring the reactivity of Î²-cyclodextrin-encapsulated anthraquinone-2,6-disulfonate. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2020, 97, 121-127.	1.6	0
18	Evaluation of sample preparation protocols for quantitative NMR-based metabolomics. Metabolomics, 2019, 15, 84.	3.0	27

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19	Ovothiol A is the Main Antioxidant in Fish Lens. Metabolites, 2019, 9, 95.	2.9	23
20	Quantitative metabolomic analysis of changes in the lens and aqueous humor under development of age-related nuclear cataract. Metabolomics, 2019, 15, 29.	3.0	36
21	Seasonal Variations and Interspecific Differences in Metabolomes of Freshwater Fish Tissues: Quantitative Metabolomic Profiles of Lenses and Gills. Metabolites, 2019, 9, 264.	2.9	19
22	A novel method of sample homogenization with the use of a microtome-cryostat apparatus. RSC Advances, 2019, 9, 37809-37817.	3.6	5
23	Ultrafast excited state decay of natural UV filters: from intermolecular hydrogen bonds to a conical intersection. Physical Chemistry Chemical Physics, 2018, 20, 15074-15085.	2.8	3
24	Acid-alkaline properties of triplet state and radical of kynurenic acid. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 365, 7-12.	3.9	10
25	Visualising the membrane viscosity of porcine eye lens cells using molecular rotors. Chemical Science, 2017, 8, 3523-3528.	7.4	71
26	Metabolomics of the human aqueous humor. Metabolomics, 2017, 13, 1.	3.0	30
27	Optical properties of the human lens constituents. Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 318-324.	3.8	9
28	Dimerization and oxidation of tryptophan in UV-A photolysis sensitized by kynurenic acid. Free Radical Biology and Medicine, 2017, 113, 372-384.	2.9	30
29	Investigation of Î²-cyclodextrin complex formation with 2,2â€²-dipyridine in ground and excited triplet states. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2017, 89, 117-125.	1.6	2
30	Quantitative metabolomic analysis of the human cornea and aqueous humor. Metabolomics, 2017, 13, 1.	3.0	32
31	Post-mortem changes in the metabolomic compositions of rabbit blood, aqueous and vitreous humors. Metabolomics, 2016, 12, 1.	3.0	25
32	Protein Content of Circulating Nucleoprotein Complexes. Advances in Experimental Medicine and Biology, 2016, 924, 133-136.	1.6	6
33	Effect of the spacer length and nitroxide sterical shielding upon photostability of spin-labeled kynurenines. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 322-323, 76-84.	3.9	1
34	Spatial distribution of metabolites in the human lens. Experimental Eye Research, 2016, 143, 68-74.	2.6	17
35	Metabolomic composition of normal aged and cataractous human lenses. Experimental Eye Research, 2015, 134, 15-23.	2.6	68
36	Effect of SkQ1 eye drops on the rat lens metabolomic composition and the chaperone activity of Î±-crystallin. Doklady Biochemistry and Biophysics, 2015, 464, 341-345.	0.9	3

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37	Metabolomics of the rat lens: A combined LC-MS and NMR study. Experimental Eye Research, 2014, 125, 71-78.	2.6	55
38	Magnetic resonance imaging (MRI) study of the water content and transport in rat lenses. Experimental Eye Research, 2013, 113, 162-171.	2.6	6
39	Photochemistry of aqueous solutions of kynurenic acid and kynurenine yellow. Photochemical and Photobiological Sciences, 2013, 12, 546-558.	2.9	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. Photochemistry and Photobiology, 2011, 87, 22-31.	2.5	5
42	Age-related changes in the water-soluble lens protein composition of Wistar and accelerated-senescence OXYS rats. Molecular Vision, 2011, 17, 1457-67.	1.1	11
43	Antioxidative properties of nitroxyl radicals and hydroxyamines in reactions with triplet and deaminated kynurenine. Russian Chemical Bulletin, 2010, 59, 66-74.	1.5	14
44	Photoinduced tautomeric transformations of xanthurenic acid. Physical Chemistry Chemical Physics, 2010, 12, 9502.	2.8	15
45	Photophysics and Photochemistry of the UV Filter Kynurenine Covalently Attached to Amino Acids and to a Model Protein. Journal of Physical Chemistry B, 2010, 114, 11909-11919.	2.6	26
46	Ultrafast Excited-State Dynamics of Kynurenine, a UV Filter of the Human Eye. Journal of Physical Chemistry B, 2009, 113, 4953-4962.	2.6	66
47	Experimental and quantum chemical study of photochemical properties of 4-hydroxyquinoline. Photochemical and Photobiological Sciences, 2009, 8, 1550-1557.	2.9	29
48	Kinetics and mechanism of thermal decomposition of kynurenines and biomolecular conjugates: Ramifications for the modification of mammalian eye lens proteins. Organic and Biomolecular Chemistry, 2009, 7, 2958.	2.8	4
49	Tryptophan and kynurenine levels in lenses of Wistar and accelerated-senescence OXYS rats. Molecular Vision, 2009, 15, 2780-8.	1.1	10
50	Deaminated UV filter 3-hydroxykynurenine O-Î²-d-glucoside is found in cataractous human lenses. Experimental Eye Research, 2008, 86, 951-956.	2.6	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. Experimental Eye Research, 2007, 85, 242-249.	2.6	24
52	Photochemical and thermal reactivity of kynurenine. Experimental Eye Research, 2006, 83, 1439-1445.	2.6	52
53	Study of the photoinduced formose reaction by flash and stationary photolysis. Mendeleev Communications, 2006, 16, 9-11.	1.6	14
54	Photochemistry of Kynurenine, a Tryptophan Metabolite:Â Properties of the Triplet State. Journal of Physical Chemistry A, 2005, 109, 3565-3568.	2.5	37

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55	Properties of excited states of aqueous tryptophan. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 162, 371-379.	3.9	65
56	Tryptophan photoionization from prefluorescent and fluorescent states. Chemical Physics Letters, 2004, 391, 44-49.	2.6	24
57	Tryptophan photoionization from prefluorescent and fluorescent states. Chemical Physics Letters, 2004, 391, 44-44.	2.6	4
58	Solvent Effect on the Rate of Î²-Scission of the tert-Butoxyl Radical. Journal of Physical Chemistry A, 1998, 102, 7975-7980.	2.5	86