

# Igor V Pletnev

## List of Publications by Year in descending order

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42  
papers

2,368  
citations

304368

22  
h-index

301761

39  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction and ICP-OES determination of heavy metals using tetrabutylammonium bromide aqueous biphasic system and oleophilic collector. <i>Talanta</i> , 2021, 221, 121485.	2.9	55
2	Extraction and determination of synthetic food dyes using tetraalkylammonium based liquid-liquid extraction. <i>Microchemical Journal</i> , 2021, 162, 105833.	2.3	25
3	New generation extraction solvents: from ionic liquids and aqueous biphasic systems to deep eutectic solvents. <i>Russian Chemical Reviews</i> , 2021, 90, 1109-1141.	2.5	11
4	InChI version 1.06: now more than 99.99% reliable. <i>Journal of Cheminformatics</i> , 2021, 13, 40.	2.8	29
5	New Directions in Using Ionic Liquids in Analytical Chemistry. 1: Liquidâ€“Liquid Extraction. <i>Journal of Analytical Chemistry</i> , 2019, 74, 625-658.	0.4	17
6	New Directions in Using Ionic Liquids in Analytical Chemistry. 2: Electrochemical Methods. <i>Journal of Analytical Chemistry</i> , 2019, 74, 1-10.	0.4	6
7	New Ionic Liquids for Extraction Preconcentration. <i>Journal of Analytical Chemistry</i> , 2019, 74, 1-11.	0.4	9
8	Highly selective solid-state sensor for iodide based on the combined use of platinum (IV) phthalocyanine and solidified pyridinium ionic liquid. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 543-552.	1.2	9
9	Multielement Determination of Trace Heavy Metals in Water by Microwave-Induced Plasma Atomic Emission Spectrometry after Extraction in Unconventional Single-Salt Aqueous Biphasic System. <i>Analytical Chemistry</i> , 2018, 90, 6323-6331.	3.2	52
10	Novel ionic liquids for liquidâ€“liquid extraction. , 2016, , 139-188.		2
11	InChI, the IUPAC International Chemical Identifier. <i>Journal of Cheminformatics</i> , 2015, 7, 23.	2.8	508
12	Solidified ionic liquid as crystalline sensing element of the bromide selective electrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 563-567.	4.0	19
13	A cesium-133 nuclear magnetic resonance study of the cesium cation Ñcomplexation by macrocyclic polyethers in hydrophobic RITLs. <i>Polyhedron</i> , 2014, 81, 341-348.	1.0	4
14	InChI - the worldwide chemical structure identifier standard. <i>Journal of Cheminformatics</i> , 2013, 5, 7.	2.8	342
15	InChIKey collision resistance: an experimental testing. <i>Journal of Cheminformatics</i> , 2012, 4, 39.	2.8	26
16	Ionic liquids based on quaternary phosphonium cation as active components of solid-state iodide selective electrode. <i>Talanta</i> , 2012, 102, 123-127.	2.9	14
17	Iodideâ€“Selective Screenâ€“Printed Electrodes Based on Lowâ€“Melting Ionic Solids and Metallated Phthalocyanine. <i>Electroanalysis</i> , 2011, 23, 1067-1072.	1.5	32
18	A correlation of caesiumâ€“18-crown-6 complex formation constants with the extraction capability for hydrophobic ionic liquids. <i>Mendeleev Communications</i> , 2010, 20, 122-124.	0.6	15

#	ARTICLE	IF	CITATIONS
19	Task-specific ionic liquid trioctylmethylammonium salicylate as extraction solvent for transition metal ions. <i>Talanta</i> , 2010, 80, 1177-1182.	2.9	163
20	Low-Melting Ionic Solids: Versatile Materials for Ion-Sensing Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2055-2059.	4.0	30
21	18-Crown-6 and Dibenzo-18-crown-6 Assisted Extraction of Cesium from Water into Room Temperature Ionic Liquids and Its Correlation with Stability Constants for Cesium Complexes. <i>Molecules</i> , 2009, 14, 5001-5016.	1.7	26
22	Screen-printed ion-selective electrodes covered with membranes containing ionic liquids. <i>Mendeleev Communications</i> , 2008, 18, 88-89.	0.6	28
23	Highly efficient extraction of phenols and aromatic amines into novel ionic liquids incorporating quaternary ammonium cation. <i>Separation and Purification Technology</i> , 2008, 63, 710-715.	3.9	102
24	Ionic liquid-based miniature electrochemical sensors for the voltammetric determination of catecholamines. <i>Analytica Chimica Acta</i> , 2008, 621, 178-184.	2.6	81
25	Dissolution of cellulose in ionic liquids as a way to obtain test materials for metal-ion detection. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 2263-2269.	1.9	51
26	Ionic Liquids Plasticize and Bring Ion-Sensing Ability to Polymer Membranes of Selective Electrodes. <i>Electroanalysis</i> , 2006, 18, 1416-1421.	1.5	75
27	Solvent extraction and extraction?voltammetric determination of phenols using room temperature ionic liquid. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 464-470.	1.9	121
28	Measuring the solubilities of ionic liquids in water using ion-selective electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 427-430.	1.9	57
29	Solvent extraction of amino acids into a room temperature ionic liquid with dicyclohexano-18-crown-6. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1369-1375.	1.9	146
30	Drug Discovery Using Support Vector Machines. The Case Studies of Drug-Likeness, Agrochemical-Likeness, and Enzyme Inhibition Predictions.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
31	Drug Discovery Using Support Vector Machines. The Case Studies of Drug-likeness, Agrochemical-likeness, and Enzyme Inhibition Predictions. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 2048-2056.	2.8	185
32	3-(4-Tolylazo)phenylboronic acid as the active component of polyhydroxy compounds-selective electrodes. <i>Electrochemistry Communications</i> , 2002, 4, 978-984.	2.3	6
33	Classification of metal ions according to their complexing properties: a data-driven approach. <i>Analytica Chimica Acta</i> , 2002, 455, 131-142.	2.6	31
34	Molecular mechanics calculations of ?-diketonate, aqua, and aqua-?-diketonate complexes of lanthanide ions using Gillespie-Keper model. <i>Journal of Computational Chemistry</i> , 2001, 22, 38-50.	1.5	6
35	Comparative Study of the Metal Phthalocyanates as Active Components in Salicylate-Selective Electrodes. <i>Electroanalysis</i> , 2001, 13, 246-252.	1.5	19
36	Conformational analysis of boron-containing compounds using Gillespie?Keper version of molecular mechanics. <i>Computational and Theoretical Chemistry</i> , 2001, 536, 65-72.	1.5	28

#	ARTICLE	IF	CITATIONS
37	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1998, 32, 9-21.	1.6	7
38	Surfactant Ion Selective Membrane Electrodes. Analytical Letters, 1996, 29, 843-858.	1.0	9
39	Mixed sorbents and their use in continuous flow analysis. Mikrochimica Acta, 1995, 119, 81-93.	2.5	3
40	Metal ion complexes of 1,4,7-triazacyclononane and their aminoalkyl derivatives. Analysis of chelate rings fusion and molecular mechanics study. Canadian Journal of Chemistry, 1994, 72, 1404-1411.	0.6	8
41	Simplex-optimization with a new criterion. Applications to dual-column ion chromatography. Mikrochimica Acta, 1991, 103, 293-302.	2.5	7
42	Formation of Complexes in RTIL and Ion Separations. , 0, , .		2