

# S N Shtykov

## List of Publications by Year in descending order

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90  
papers

792  
citations

623188

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610482

24  
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91  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	CaCO <sub>3</sub> -based carriers with prolonged release properties for antifungal drug delivery to hair follicles. <i>Biomaterials Science</i> , 2022, 10, 3323-3345.	2.6	5
2	Effect of sulfur solvent on the properties of lead sulfide quantum dots. <i>Izvestiya of Saratov University New Series Series: Chemistry Biology Ecology</i> , 2021, 21, 145-151.	0.0	0
3	Spectroscopic Study of the Release Kinetics of Water-Insoluble Drug Griseofulvin from Vaterite Containers in Aqueous Medium. <i>Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT2/Overlock 10 Tf</i>		
4	Synthesis and study of some properties of colloidal quantum dots of indium antimonide. <i>Izvestiya of Saratov University New Series Series: Chemistry Biology Ecology</i> , 2021, 21, 378-381.	0.0	0
5	Search for functions that model temperature dependencies of internal pressure of associated liquids. <i>Journal of Molecular Liquids</i> , 2020, 319, 114199.	2.3	2
6	Magnetic Solid-Phase Extraction and Fluorimetric Determination of Some Fluoroquinolones. <i>Journal of Analytical Chemistry</i> , 2020, 75, 24-33.	0.4	12
7	Simulation of water internal pressure within temperature range of 0–370°C. <i>Journal of Molecular Liquids</i> , 2020, 310, 113223.	2.3	4
8	A simple assay for probing transformations of superparamagnetic iron oxide nanoparticles in human serum. <i>Chemical Communications</i> , 2019, 55, 4270-4272.	2.2	13
9	Internal pressure and state assessment of the inherent macroscopic force fields of liquids. <i>New Journal of Chemistry</i> , 2019, 43, 18888-18897.	1.4	4
10	Energy transfer in liquid and solid nanoobjects: application in luminescent analysis. <i>Physical Sciences Reviews</i> , 2019, 4, .	0.8	5
11	Effect of modifier nature on the preconcentration efficiency of rutin and quercetin on the magnetite nanoparticles. <i>Analitika I Kontrol</i> , 2019, 23, 265-273.	0.3	0
12	Key Parameters for Size- and Shape-Controlled Synthesis of Vaterite Particles. <i>Crystal Growth and Design</i> , 2018, 18, 331-337.	1.4	79
13	5. Energy Transfer in Liquid and Solid Nanoobjects: Application in Luminescent Analysis. , 2018, , 131-162.		0
14	Studying of Surfactant Excess Separation from Non-aqueous Quantum Dots Solution on its Monolayer Formation Process. <i>BioNanoScience</i> , 2018, 8, 1081-1086.	1.5	7
15	1. Nanoanalytics: Definitions, Classification, History, and Primary Advances. , 2018, , 3-52.		4
16	Determination of flunixin by sensitized terbium fluorescence in the presence of surfactant micelles. <i>Journal of Analytical Chemistry</i> , 2017, 72, 562-566.	0.4	5
17	Studying of Quantum Dots Langmuir Monolayers Stability at the Different Subphase Temperature. <i>BioNanoScience</i> , 2017, 7, 686-691.	1.5	5
18	To evaluation of the state of the own macroscopic force field of liquids. <i>Journal of Structural Chemistry</i> , 2017, 58, 712-717.	0.3	5

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19	Thin-layer chromatography of some amino acids on silica in aqueous-organic and modified micellar mobile phases. <i>Journal of Analytical Chemistry</i> , 2017, 72, 870-878.	0.4	5
20	Temperature and Mixing Ratio Effects in the Formation of CdSe/CdS/ZnS Quantum Dots with 4- $\beta$ -n-octyl-4-p-Cyanobiphenyl Thin Films. <i>BioNanoScience</i> , 2017, 7, 666-671.	1.5	22
21	Thin-layer chromatography of benzoic acids with a controlled gas phase: A comparison of different stationary phases. <i>Journal of Planar Chromatography - Modern TLC</i> , 2016, 29, 66-71.	0.6	1
22	Characterization of the protein corona of gold nanoparticles by an advanced treatment of CE-ICP-MS data. <i>Electrophoresis</i> , 2016, 37, 2257-2259.	1.3	29
23	Heat capacity, conductivity, and structural changes of water-sodium dodecylsulfate-triethanolamine-1-pentanol-1,1,2,2-tetrafluorodibromoethane microemulsions. <i>Journal of Structural Chemistry</i> , 2015, 56, 266-271.	0.3	2
24	Reversed-phase liquid chromatography of some flavonoids in aqueous-organic and modified micellar mobile phases. <i>Journal of Analytical Chemistry</i> , 2014, 69, 1179-1186.	0.4	3
25	Liquid chromatography of some steroid hormones in aqueous-organic, micellar, and cyclodextrin mobile phases. <i>Journal of Analytical Chemistry</i> , 2014, 69, 1009-1016.	0.4	6
26	Effect of temperature on the enthalpies of formation of water-o-xylene-Triton X-100 microemulsions. <i>Russian Journal of Physical Chemistry A</i> , 2013, 87, 363-367.	0.1	1
27	Doxycycline-sensitized solid-phase fluorescence of europium on silica in the presence of surfactants. <i>Journal of Analytical Chemistry</i> , 2013, 68, 112-116.	0.4	13
28	Preparation, heat capacity, and combustion characteristics of water-surfactant-halogenated hydrocarbon microemulsions suitable for combined fire-extinguishing means. <i>Russian Journal of Applied Chemistry</i> , 2012, 85, 1905-1909.	0.1	5
29	Intermolecular forces and the internal pressure of liquids. <i>Journal of Structural Chemistry</i> , 2012, 53, 1087-1093.	0.3	17
30	Factors determining the catalytic activity of the mixed micellar system cetyltrimethylammonium bromide-Brij-35 in the hydrolysis of a phosphonic acid ester. <i>Kinetics and Catalysis</i> , 2012, 53, 344-352.	0.3	6
31	Excitation energy transfer in europium chelate with doxycycline in the presence of a second ligand in micellar solutions of nonionic surfactants. <i>Optics and Spectroscopy (English Translation of Optika i Tj ETQq1 1 0.784314 rgBT /Over</i>		
32	Comparison of the physicochemical characteristics of biofuels and petroleum fuels. <i>Chemistry and Technology of Fuels and Oils</i> , 2011, 47, 7-11.	0.2	5
33	Comparison of performance characteristics of liquid biofuels and petroleum fuels. <i>Chemistry and Technology of Fuels and Oils</i> , 2011, 47, 112-115.	0.2	2
34	Current problems. <i>Alternative Fuels. Chemistry and Technology of Fuels and Oils</i> , 2011, 47, 167-171.	0.2	0
35	Fluorimetric assay of flumequine using sensitized terbium fluorescence in organized media. <i>Pharmaceutical Chemistry Journal</i> , 2011, 44, 635.	0.3	5
36	A model approach to the thermodynamics of microemulsion systems: Estimation of adequacy of the two-phase model of microemulsions. <i>Russian Journal of Physical Chemistry A</i> , 2010, 84, 169-175.	0.1	7

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37	Estimating the biofuel combustion heat on the basis of extracted substances from wooden wastes. Chemistry and Technology of Fuels and Oils, 2009, 45, 443-447.	0.2	0
38	Thermodynamic stability of microemulsion based on sodium dodecyl sulfate. Journal of Molecular Liquids, 2009, 145, 173-176.	2.3	13
39	Determination of warfarin by sensitized fluorescence using organized media. Journal of Analytical Chemistry, 2009, 64, 1114-1119.	0.4	17
40	A new method of thin-layer chromatography with controlled vapor phase. Journal of Analytical Chemistry, 2009, 64, 1226-1234.	0.4	2
41	Determination of volatile organic compounds using piezosensors modified with the Langmuir-Blodgett films of calix[4]resorcinarene. Journal of Analytical Chemistry, 2009, 64, 1270-1274.	0.4	6
42	Nanomaterials and nanotechnologies in chemical and biochemical sensors: Capabilities and applications. Russian Journal of General Chemistry, 2008, 78, 2521-2531.	0.3	38
43	Polyelectrolyte microcapsules containing molecules of sulfated $\beta$ -cyclodextrin in the structure of nanosized shell. Colloid Journal, 2008, 70, 152-157.	0.5	0
44	Effect of nucleophilic agents and organized media on the fluorimetric determination of histamine with o-phthalic aldehyde. Journal of Analytical Chemistry, 2008, 63, 1044-1050.	0.4	4
45	Properties of a sodium dodecyl sulfate-Brij 35 binary micellar system and their effect on the alkaline hydrolysis of O-ethyl-O-p-nitrophenylchloromethylphosphonate. Colloid Journal, 2007, 69, 718-725.	0.5	11
46	Determination of ciprofloxacin and enrofloxacin by the sensitized fluorescence of europium in the presence of the second ligand and micelles of anionic surfactants. Journal of Analytical Chemistry, 2007, 62, 136-140.	0.4	34
47	Use of Langmuir-Blodgett films as modifiers for piezoresonance sensors. Journal of Analytical Chemistry, 2007, 62, 490-493.	0.4	0
48	Transfer ratio of Langmuir-Blodgett films as an indicator of the single-crystal silicon surface modified by polyionic layers. Semiconductors, 2007, 41, 684-688.	0.2	4
49	<title>Fluorescence in the system Eu(III) - oxytetracycline - co-ligand -sodium dodecylbenzene sulphonate micelles and its analytical application</title>. , 2006, 6165, 204.		1
50	Organic reagents in spectrophotometric methods of analysis. Russian Chemical Reviews, 2006, 75, 341-349.	2.5	24
51	New thin layer chromatography method for ionizable compounds based on the change in the mobile phase acidity during elution. Doklady Physical Chemistry, 2006, 407, 77-79.	0.2	1
52	Visiting session of the Bureau of the Scientific Council on Analytical Chemistry of the Russian Academy of Sciences. Journal of Analytical Chemistry, 2006, 61, 709-711.	0.4	0
53	Electrophysical properties of MIS structures with nanodimensional $\beta$ -cyclodextrin Langmuir-Blodgett films. Technical Physics, 2006, 51, 495-498.	0.2	1
54	Effect of Chamber Gas Phase on Mobile Phase pH and on Separation Efficiency in TLC. A New Mode of Chromatography. Chromatographia, 2006, 64, 105-108.	0.7	9

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55	Piezometric evaluation of the effects of 2-hydroxypropyl- $\beta$ -cyclodextrin molecules on the net of hydrogen bonds in water. <i>Journal of Structural Chemistry</i> , 2006, 47, S81-S85.	0.3	0
56	Application of Langmuir-Blodgett films as modifiers of piezoresonance sensors. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 497-499.	4.0	9
57	The reactivity and microscopic polarity studies in the sodium dodecyl sulfate based reversed micellar system. <i>Journal of Molecular Liquids</i> , 2005, 116, 83-91.	2.3	6
58	Preconcentration and fluorimetric determination of polycyclic aromatic hydrocarbons based on the acid-induced cloud-point extraction with sodium dodecylsulfate. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1413-1418.	1.9	50
59	Azo derivative of 2-thenoyltrifluoroacetone as a reagent for the photometric determination of copper(II). <i>Journal of Analytical Chemistry</i> , 2005, 60, 137-140.	0.4	3
60	Fluorimetric determination of tetracyclines with the europium chelate of 1,10-phenanthroline in micellar solutions of anionic surfactants. <i>Journal of Analytical Chemistry</i> , 2005, 60, 24-28.	0.4	10
61	Precision Dilatometry of Microemulsions with Anionic Surfactants. <i>Colloid Journal</i> , 2005, 67, 431-436.	0.5	8
62	Aminolysis of Carboxylic Acid Esters in Direct, Bicontinual, and Inverse Microemulsions Based on Cetyltrimethylammonium Bromide. <i>Russian Journal of General Chemistry</i> , 2005, 75, 1108-1112.	0.3	2
63	Langmuir-Blodgett Films as Efficient Modifiers of Piezoelectric Sensors. <i>Doklady Chemistry</i> , 2004, 396, 119-121.	0.2	0
64	Sensing Element of a Benzopurpurin 4B-Based Optical Sensor for Determining the Acidity of Etch Solutions. <i>Journal of Analytical Chemistry</i> , 2004, 59, 175-178.	0.4	2
65	Determination of Adenosine Triphosphoric Acid by Its Effect on the Quenching of the Fluorescence of Europium(III) Diketonate in Micelles of Brij-35. <i>Journal of Analytical Chemistry</i> , 2004, 59, 438-441.	0.4	13
66	Inversion of the Temperature Coefficient of Internal Pressure and Structural Organization of Liquid Phase Systems. <i>Journal of Structural Chemistry</i> , 2004, 45, 91-95.	0.3	25
67	On Internal Pressure, Its Temperature Dependence, and the Structure of Liquid-Phase Systems. <i>Journal of Structural Chemistry</i> , 2004, 45, 96-99.	0.3	22
68	Title is missing!. <i>Russian Chemical Bulletin</i> , 2003, 52, 398-402.	0.4	2
69	Title is missing!. <i>Colloid Journal</i> , 2003, 65, 394-397.	0.5	11
70	Surfactants in Thin-Layer Chromatography. <i>Journal of Analytical Chemistry</i> , 2003, 58, 720-730.	0.4	34
71	Title is missing!. <i>Journal of Analytical Chemistry</i> , 2003, 58, 1031-1037.	0.4	3
72	Langmuir-Blodgett Films as Matrices of Sensitive Elements in Optical Acidity Sensors. <i>Doklady Physical Chemistry</i> , 2003, 388, 60-62.	0.2	4

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73	Analysis of polycyclic aromatic hydrocarbons by sensitized room temperature phosphorescence. <i>Environmental Chemistry Letters</i> , 2003, 1, 82-85.	8.3	7
74	Title is missing!. <i>Journal of Analytical Chemistry</i> , 2002, 57, 210-214.	0.4	3
75	Calculation of Partition Coefficients of Organic Reagents in Micellar Thin-Layer Chromatography. <i>Journal of Analytical Chemistry</i> , 2002, 57, 322-325.	0.4	12
76	Refresher Training Center for Analysts. <i>Journal of Analytical Chemistry</i> , 2002, 57, 748-749.	0.4	0
77	Chemical Analysis in Nanoreactors: Main Concepts and Applications. <i>Journal of Analytical Chemistry</i> , 2002, 57, 859-868.	0.4	31
78	Sensitized room temperature phosphorescence of pyrene in sodium dodecylsulfate micelles with triphafavine as energy donor. <i>Analytica Chimica Acta</i> , 2001, 439, 81-86.	2.6	8
79	Title is missing!. <i>Journal of Analytical Chemistry</i> , 2001, 56, 651-657.	0.4	4
80	Title is missing!. <i>Russian Chemical Bulletin</i> , 2001, 50, 986-988.	0.4	2
81	Title is missing!. <i>Journal of Analytical Chemistry</i> , 2001, 56, 920-924.	0.4	5
82	Bulk Properties of n-Heptaneâ€“Waterâ€“Sodium Dodecyl Sulfateâ€“n-Pentanol Microemulsions. <i>Colloid Journal</i> , 2000, 62, 780-782.	0.5	3
83	The influence of surfactants on the acidâ€“base and redox properties of reagents of the diphenylamine series. <i>Russian Chemical Bulletin</i> , 2000, 49, 1380-1382.	0.4	1
84	Pyrene sensitized phosphorescence enhanced by the heavy atom effect in the water-heptane-sodium dodecyl sulfate-pentanol microemulsion. <i>Russian Chemical Bulletin</i> , 2000, 49, 1518-1521.	0.4	1
85	Determination of pesticides and other physiologically active compounds by capillary gas chromatography with an atomic-emission detector without using standard reference materials. <i>Journal of Analytical Chemistry</i> , 2000, 55, 47-51.	0.4	2
86	Acridine dyes in the triplet state as reagents for the selective luminescence determination of polycyclic aromatic hydrocarbons. <i>Journal of Analytical Chemistry</i> , 2000, 55, 874-878.	0.4	15
87	Phosphorimetric determination of polynuclear aromatic hydrocarbons in gasoline. <i>Journal of Analytical Chemistry</i> , 2000, 55, 795-798.	0.4	5
88	Surfactants in analysis: Progress and development trends. <i>Journal of Analytical Chemistry</i> , 2000, 55, 608-614.	0.4	20
89	The effect of an external heavy atom on the sensitized room temperature phosphorescence in aqueous micellar solutions of sodium dodecylsulphate. <i>Journal of Molecular Structure</i> , 1999, 482-483, 699-702.	1.8	12
90	Hydrophobic ligand-ligand interactions in multicomponent systems and their analytical significance. <i>Fresenius Zeitschrift Fur Analytische Chemie</i> , 1989, 335, 111-116.	0.7	3