Valentin G Semenov

List of Publications by Year
in descending order

56	985	759233 12	434195 31
papers	citations	h-index	g-index

57	57	57	1437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Partial least squares assisted influence coefficients concept improves accuracy in X-ray fluorescence analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 193, 106452.	2.9	2
2	Does chemometrics work for matrix effects correction in X-ray fluorescence analysis?. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 185, 106310.	2.9	9
3	On the potential and limitations of multivariate curve resolution in MÓ§ssbauer spectroscopic studies. Chemometrics and Intelligent Laboratory Systems, 2020, 198, 103941.	3.5	4
4	Response Standardization for Drift Correction and Multivariate Calibration Transfer in â€œElectronic Tongueâ€•Studies. Methods in Molecular Biology, 2019, 2027, 181-194.	0.9	3
5	Feasibility study of MÃ¶ssbauer spectroscopy as a tool to explore PVC-plasticized potentiometric sensor membranes. Sensors and Actuators B: Chemical, 2019, 298, 126880.	7.8	1
6	Supramolecular Construction of Cyanide-Bridged ReI Diimine Multichromophores. Inorganic Chemistry, 2019, 58, 1988-2000.	4.0	12
7	Synthesis of Fe(OH)₃ Microtubes at the Gasâ€“Solution Interface and Their Use for the Fabrication of Fe₂O₃ and Fe Microtubes. European Journal of Inorganic Chemistry, 2018, 2018, 1842-1846.	2.0	10
8	Signal Smoothing with PLS Regression. Analytical Chemistry, 2018, 90, 5959-5964.	6.5	8
9	Application of chemometric methods to XRF-data â€“ A tutorial review. Analytica Chimica Acta, 2018, 1040, 19-32.	5.4	94
10	Calibration transfer between different analytical methods. Talanta, 2017, 170, 457-463.	5.5	26
11	Sample-in-waveguide geometry for TXRF sensitivity improvement. Journal of Analytical Atomic Spectrometry, 2017, 32, 1224-1228.	3.0	1
12	Two-Level Micro-to-Nanoscale Hierarchical TiO2 Nanolayers on Titanium Surface. Materials, 2016, 9, 1010.	2.9	10
13	Numerical simulation of high-gradient magnetic filtration. Technical Physics, 2016, 61, 1292-1298.	0.7	2
14	MÃ¶ssbauer study of the iron atom state in modified chromium dioxide. Physics of the Solid State, 2016, 58, 76-80.	0.6	4
15	Special features of magnetite nanoparticles stabilization with SiO2 nanolayer. Russian Journal of General Chemistry, 2015, 85, 1973-1973.	0.8	2
16	Improving precision of X-ray fluorescence analysis of lanthanide mixtures using partial least squares regression. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 113, 126-131.	2.9	28
17	A sample-effective calibration design for multiple components. Analyst, The, 2014, 139, 4303-4309.	3.5	25
18	Bismuth iron titanate pyrochlores: Thermostability, structure and properties. Journal of Solid State Chemistry, 2013, 204, 245-250.	2.9	21

#	Article	IF	Citations
19	Study of the composite based on iron-containing nanoparticles dispersed in the polyethylene matrix. Physics of the Solid State, 2013, 55, 1946-1949.	0.6	1
20	Structural changes in the homologous series of the Aurivillius phases Bi+1Feâ^'3Ti3O3+3. Journal of Alloys and Compounds, 2012, 528, 103-108.	5.5	50
21	Application of MÃ¶ssbauer spectroscopy to studying steel corrosion at nuclear power plants. Radiochemistry, 2011, 53, 26-34.	0.7	1
22	Features of the Quantitative Analysis in Moì^ssbauer Spectroscopy. , 2010, , .		2
23	Structural stabilization of Fe4+ Ions in perovskite-like phases based on the BiFeO3-SrFeO y system. Glass Physics and Chemistry, 2009, 35, 313-319.	0.7	11
24	Fifty years since the discovery of the MÃ¶ssbauer effect. Journal of Analytical Chemistry, 2009, 64, 1082-1084.	0.9	0
25	Fluorescence analysis of a multilayer (Zr(10 nm)/[Fe(1.6 nm)/Cr(1.7 nm)]26/Cr(50 nm)/glass) structure under grazing incidence conditions. Journal of Surface Investigation, 2008, 2, 564-568.	0.5	2
26	MÃ¶ssbauer spectroscopy analysis of the phase composition of iron-based nanoparticles. Technical Physics Letters, 2007, 33, 40-43.	0.7	8
27	Mechanism of formation of the complex oxide Gd2SrFe2O7. Russian Journal of General Chemistry, 2007, 77, 973-978.	0.8	15
28	Intermixing during epitaxial growth and MÃ¶ssbauer spectroscopy with probe layers. Hyperfine Interactions, 2007, 169, 1379-1382.	0.5	0
29	Features of phase formation and state of iron in the quasibinary system FeTe1.65-TiTe1.65. Russian Journal of General Chemistry, 2006, 76, 1874-1877.	0.8	0
30	Multipurpose spectrometer TERLAB for depth selective investigation of surface and multilayer. Hyperfine Interactions, 2006, 167, 861-867.	0.5	0
31	Analytical potential of MÃ¶ssbauer spectroscopy. Russian Chemical Reviews, 2006, 75, 317-327.	6.5	16
32	Material Analysis of Steel Corrosion Products in Water Coolants of Thermal and Nuclear Power Plants. Journal of Analytical Chemistry, 2005, 60, 1166-1172.	0.9	1
33	Superparamagnetism of Magnetite Nanoparticles:Â Dependence on Surface Modification. Langmuir, 2004, 20, 2472-2477.	3.5	441
34	Forms of iron occurrence in a series of binary tellurides FexTi1â^'x Te1.45. Russian Journal of General Chemistry, 2004, 74, 1637-1640.	0.8	2
35	Magnetic Ordering of Iron-Oxygen and Iron-Organic Nanostructures on a Diamagnetic Matrix. Russian Journal of General Chemistry, 2003, 73, 496-502.	0.8	0
36	MÃ¶ssbauer and magneto-chemical study of solids formed by surface chemical reaction of OHâ€“silica groups with iron diacetylacetonato chloride (C5H7O2)2FeCl. Applied Surface Science, 2002, 195, 89-92.	6.1	9

#	Article	IF	Citations
37	Title is missing!. Hyperfine Interactions, 2002, 141/142, 119-123.	0.5	5
38	Solid-state Water-mediated Transport Reduction of Nanostructured Iron Oxides. Journal of Nanoparticle Research, 2001, 3, 83-89.	1.9	5
39	Title is missing!. Russian Journal of General Chemistry, 2001, 71, 1013-1016.	0.8	0
40	Title is missing!. Russian Journal of General Chemistry, 2001, 71, 1506-1512.	0.8	0
41	Surface Magnetic Ordering of Fe-O and Ti-O Groups Disposed on Diamagnetic Support. Surface Review and Letters, 2001, 8, 295-302.	1.1	0
42	Structuralâ€“chemical transformations of Î±-Fe2O3 upon transport reduction. Solid State Ionics, 2000, 133, 203-210.	2.7	18
43	Title is missing!. , 2000, 126, 343-348.		11
44	Amorphous magnetic films for broadband Î³-filters of synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 405, 297-300.	1.6	0
45	<title>Spectroscopy of ultrathin resonant films at total external reflection of Moessbauer and synchrotron radiation</title>. , 1997, , .		2
46	MÃ¶ssbauer total external reflection: Composition of surface layers. Hyperfine Interactions, 1995, 96, 37-49.	0.5	5
47	Bulk and surface magnetic properties of dilute FeCr alloys. Journal of Magnetism and Magnetic Materials, 1995, 146, 165-174.	2.3	12
48	Grazing incidence MÃ¶ssbauer spectroscopy: a new method for surface layer analysis Part III. Interpretation of experimental data. Nuclear Instruments & Methods in Physics Research B, 1995, 103, 351-358.	1.4	9
49	Highly sensitive MÃ¶ssbauer spectrometer for SEDM and RSMR investigations. Nuclear Instruments & Methods in Physics Research B, 1995, 95, 253-259.	1.4	4
50	Magnetic ordering in Fe-containing spinodally decomposing materials synthesized from laser plasma. Physical Review B, 1995, 52, 10303-10314.	3.2	10
51	Grazing incidence MÃ¶ssbauer spectroscopy: new method for surface layers analysis. Nuclear Instruments & Methods in Physics Research B, 1993, 74, 545-553.	1.4	35
52	Grazing incidence MÃ¶ssbauer spectroscopy: new method for surface layers analysis. Nuclear Instruments & Methods in Physics Research B, 1993, 74, 554-564.	1.4	34
53	SMâ€”Series MÃ¶ssbauer spectrometer for total external reflection SM 1101ter. Hyperfine Interactions, 1992, 71, 1461-1463.	0.5	4
54	Conversion electron mÃ¶ssbauer spectroscopic study of Fe-Implanted AgAsS2 Glass. Journal of Non-Crystalline Solids, 1989, 113, 203-209.	3.1	4

#	Article	IF	Citations
55	The time development of the magnetic moment of superparamagnetic particles and the discrete orientation model. II. Journal of Magnetism and Magnetic Materials, 1980, 20, 1-10.	2.3	1
56	Evolution of Iron Electronic State in the Solid Solutions Gd_{2-x}Sr_{1+x}Fe₂O_{7-î´}.0.3 Solid State Phenomena, 0, 194, 116-119.		5