

# Vladimir V Pankov

## List of Publications by Year in descending order

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32  
papers

727  
citations

567281

15  
h-index

526287

27  
g-index

33  
all docs

33  
docs citations

33  
times ranked

932  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal organic framework/polyelectrolyte composites for water vapor sorption applications. Dalton Transactions, 2022, , .	3.3	2
2	Preparation and characterisation of cobalt and cobalt-zinc ferrites for magnetorheological materials. Kondensirovannye Sredy Mezhfaznye Granitsy, 2022, 24, 19-28.	0.3	1
3	Magnetic nanoparticles for components of MRI diagnostics and electronic devices. Journal of the Belarusian State University Physics, 2021, , 12-19.	0.2	0
4	Nickel nanoparticle-decorated reduced graphene oxide/WO <sub>3</sub> nanocomposite – a promising candidate for gas sensing. Beilstein Journal of Nanotechnology, 2021, 12, 343-353.	2.8	14
5	A comparative study on the synthesis of magnesium ferrite for the adsorption of metal ions: Insights into the essential role of crystallite size and surface hydroxyl groups. Chemical Engineering Journal, 2021, 411, 128523.	12.7	42
6	NEW METHODS OF MODIFIED CERAMIC TECHNOLOGY FOR SYNTHESIS OF FUNCTIONAL NANOSTRUCTURED SYSTEMS. Computational Nanotechnology, 2021, 8, 18-23.	0.1	0
7	Synthesis and Physicochemical Properties of Mn <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> Solid Solutions. Kondensirovannye Sredy Mezhfaznye Granitsy, 2020, 22, 466-472.	0.3	3
8	Теплопроводность, теплоемкость, температурный коэффициент расширения и коэффициент Пуассона оксидов никеля NiO и никель-оксидов металлов с магнетическими свойствами. Доклады Академии наук Беларуси, 2021, 10, 2-7.	0.3	3
9	Temperature Programmed Oxygen Desorption and Sorption Processes on Pr <sub>2-x</sub> La <sub>x</sub> NiO <sub>4-δ</sub> Nickelates. ECS Transactions, 2019, 91, 1341-1353.	0.5	5
10	Oxygen-Deficient Nd <sub>0.8</sub> Sr <sub>1.2</sub> Ni <sub>0.8</sub> M <sub>0.2</sub> O <sub>4-δ</sub> (M = Ni, Co, Fe) Nickelates as Oxygen Electrode Materials for SOFC/SOEC. ECS Transactions, 2019, 91, 2387-2397.	0.5	6
11	Effect of metal ions adsorption on the efficiency of methylene blue degradation onto MgFe <sub>2</sub> O <sub>4</sub> as Fenton-like catalysts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 571, 17-26.	4.7	106
12	Influence of synthesis methods on structural and magnetic characteristics of Mg-Zn-ferrite nanopowders. Journal of Magnetism and Magnetic Materials, 2019, 473, 85-91.	2.3	41
13	Magnesium ferrite nanoparticles as a magnetic sorbent for the removal of Mn <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> and Cu <sup>2+</sup> from aqueous solution. Ceramics International, 2018, 44, 9097-9104.	4.8	86
14	Synergetic effect of polyethylene glycol-grafted chitosan and bovine serum albumin on colloidal stability of polyelectrolyte nanocapsules. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 539, 69-79.	4.7	15
15	Structural, magnetic and hyperfine characterization of Zn <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> nanoparticles prepared by sol-gel approach via inorganic precursors. Journal of Physics and Chemistry of Solids, 2018, 114, 64-70.	4.0	17
16	Laser Irradiation of Gd <sup>3+</sup> -Si and Gd <sup>3+</sup> -Si <sup>2+</sup> -Ge Colloid Mixtures for the Fabrication of Compound Nanoparticles. ChemPhysChem, 2018, 19, 3247-3256.	2.1	6
17	High-Temperature Structural and Electrical Characterization of Reduced Oxygen-Deficient Ruddlesden-Popper Nickelates. European Journal of Inorganic Chemistry, 2018, 2018, 3320-3329.	2.0	2
18	Facile bulk preparation and structural characterization of agglomerated <sup>67</sup> Zn-Fe <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> nanocomposite particles for nucleic acids isolation and analysis. Materials Chemistry and Physics, 2018, 219, 109-119.	4.0	3

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19	Ruddlesden-Popper phases $\text{Sr}_3\text{Ni}_2\text{Al}_7\text{O}_{24}$ and some doped derivatives: Synthesis, oxygen nonstoichiometry and electrical properties. <i>Solid State Ionics</i> , 2018, 324, 241-246.	2.7	1
20	Laser assisted preparation of doped ZnO nanocrystals. <i>Nano Structures Nano Objects</i> , 2017, 12, 210-219.	3.5	17
21	Impact of Oxygen Deficiency on the Electrochemical Performance of $\text{K}_{2-x}\text{NiF}_4$ -Type $(\text{La}_{1-x}\text{Sr}_x)_2\text{NiO}_4$ Oxygen Electrodes. <i>ChemSusChem</i> , 2017, 10, 600-611.	6.8	18
22	Chemical Interactions in a Mixture of Gadolinium and Silicon Colloidal Solutions. <i>Colloids and Interface Science Communications</i> , 2016, 14, 13-16.	4.1	2
23	Laser Assisted Synthesis, Structural and Magnetic Characterization of Gadolinium Germano-Silicide Nanoparticles in Liquid. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 7451-7460.	0.9	5
24	High-temperature characterization of oxygen-deficient $\text{K}_2\text{NiF}_4$ -type $\text{Nd}_{2-2x}\text{Sr}_x\text{NiO}_4$ ( $x = 1.0-1.6$ ) for potential SOFC/SOEC applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23852-23863.	10.3	24
25	Structural characterization and magnetic properties of sol-gel derived $\text{Zn}_x\text{Fe}_{3-x}\text{O}_4$ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 378, 429-435.	2.3	26
26	Structure and magnetic properties of manganese-zinc-ferrites prepared by spray pyrolysis method. <i>Solid State Sciences</i> , 2015, 39, 69-73.	3.2	51
27	Structural defects and magnetic properties of gadolinium silicide nanoparticles synthesized by laser ablation technique in liquid. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 809-814.	1.5	6
28	Synthesis, crystal structure and physico-chemical properties of the new quaternary oxide $\text{Sr}_5\text{Bi}_2\text{Ni}_2\text{O}_9$ . <i>Journal of Solid State Chemistry</i> , 2011, 184, 3262-3268.	2.9	5
29	Oxygen transport in $\text{La}_2\text{NiO}_4$ : Assessment of surface limitations and multilayer membrane architectures. <i>Solid State Ionics</i> , 2009, 180, 812-816.	2.7	58
30	High-temperature oxygen non-stoichiometry, conductivity and structure in strontium-rich nickelates $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ ( $x=1$ and $1.4$ ). <i>Materials Chemistry and Physics</i> , 2008, 111, 125-130.	4.0	23
31	Fine hexaferrite particles for perpendicular recording prepared by the coprecipitation method in the presence of an inert component. <i>Journal of Magnetism and Magnetic Materials</i> , 1993, 120, 69-72.	2.3	119
32	Detailed Study of IR Absorption Spectra of Manganese-Zinc Ferrites. <i>Physica Status Solidi (B): Basic Research</i> , 1987, 141, 599-609.	1.5	23