## Vladimir V Pankov

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/228480/publications.pdf

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32	727	15	27
papers	citations	h-index	g-index
33	33	33	932
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Fine hexaferrite particles for perpendicular recording prepared by the coprecipitation method in the presence of an inert component. Journal of Magnetism and Magnetic Materials, 1993, 120, 69-72.	2.3	119
2	Effect of metal ions adsorption on the efficiency of methylene blue degradation onto MgFe2O4 as Fenton-like catalysts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 571, 17-26.	4.7	106
3	Magnesium ferrite nanoparticles as a magnetic sorbent for the removal of Mn2+, Co2+, Ni2+ and Cu2+ from aqueous solution. Ceramics International, 2018, 44, 9097-9104.	4.8	86
4	Oxygen transport in La2NiO4+: Assessment of surface limitations and multilayer membrane architectures. Solid State Ionics, 2009, 180, 812-816.	2.7	58
5	Structure and magnetic properties of manganese–zinc-ferrites prepared by spray pyrolysis method. Solid State Sciences, 2015, 39, 69-73.	3.2	51
6	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
7	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
8	Structural characterization and magnetic properties of sol–gel derived Zn x Fe 3–x O 4 nanoparticles. Journal of Magnetism and Magnetic Materials, 2015, 378, 429-435.	2.3	26
9	High-temperature characterization of oxygen-deficient K <sub>2</sub> NiF <sub>4</sub> -type Nd <sub>2â^²x</sub> Sr <sub>x</sub> NiO <sub>4â^Î</sub> (x = 1.0–1.6) for potential SOFC/SOEC applications. Journal of Materials Chemistry A, 2015, 3, 23852-23863.	10.3	24
10	Detailed Study of IR Absorption Spectra of Manganese–Zinc Ferrites. Physica Status Solidi (B): Basic Research, 1987, 141, 599-609.	1.5	23
11	High-temperature oxygen non-stoichiometry, conductivity and structure in strontium-rich nickelates La2â°xSrxNiO4â°Î (x=1 and 1.4). Materials Chemistry and Physics, 2008, 111, 125-130.	4.0	23
12	Impact of Oxygen Deficiency on the Electrochemical Performance of K <sub>2&lt; sub&gt;NiF<sub>4&lt; sub&gt;‶ype (La<sub>1â^³<i>x&lt; i&gt;&lt; sub&gt;Sr<sub><i>x&lt; i&gt;&lt; sub&gt;)<sub>2&lt; sub&gt;NiO<sub>4â^³<i>i^Î<!-- i-->&lt; sub&gt; Oxygen Electrodes. ChemSusChem, 2017, 10, 600-611.</i></sub></sub></i></sub></i></sub></sub></sub>	6.8	18
13	Laser assisted preparation of doped ZnO nanocrystals. Nano Structures Nano Objects, 2017, 12, 210-219.	3.5	17
14	Structural, magnetic and hyperfine characterization of Zn x Fe 3–x O 4 nanoparticles prepared by sol-gel approach via inorganic precursors. Journal of Physics and Chemistry of Solids, 2018, 114, 64-70.	4.0	17
15	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
16	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
17	Structural defects and magnetic properties of gadolinium silicide nanoparticles synthesized by laser ablation technique in liquid. Physica Status Solidi (B): Basic Research, 2013, 250, 809-814.	1.5	6
18	Laser Irradiation of Gdâ^'Si and Gdâ^'Siâ^'Ge Colloid Mixtures for the Fabrication of Compound Nanoparticles. ChemPhysChem, 2018, 19, 3247-3256.	2.1	6

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19	Oxygen-Deficient Nd $\langle$ sub $\rangle$ 0.8 $\langle$ /sub $\rangle$ Sr $\langle$ sub $\rangle$ 1.2 $\langle$ /sub $\rangle$ Ni $\langle$ sub $\rangle$ 0.8 $\langle$ /sub $\rangle$ M $\langle$ sub $\rangle$ 0.2 $\langle$ /sub $\rangle$ 0.8 $\langle$ /sub $\rangle$ 0.8 (M = Ni, Co, Fe) Nickelates as Oxygen Electrode Materials for SOFC/SOEC. ECS Transactions, 2019, 91, 2387-2397.	0.5	6
20	Synthesis, crystal structure and physico-chemical properties of the new quaternary oxide Sr5BiNi2O9.6. Journal of Solid State Chemistry, 2011, 184, 3262-3268.	2.9	5
21	Laser Assisted Synthesis, Structural and Magnetic Characterization of Gadolinium Germano-Silicide Nanoparticles in Liquid. Journal of Nanoscience and Nanotechnology, 2016, 16, 7451-7460.	0.9	5
22	Temperature Programmed Oxygen Desorption and Sorption Processes on Pr2-XLaxNiO4+δNickelates. ECS Transactions, 2019, 91, 1341-1353.	0.5	5
23	Facile bulk preparation and structural characterization of agglomerated $\hat{l}^3$ -Fe2O3/SiO2 nanocomposite particles for nucleic acids isolation and analysis. Materials Chemistry and Physics, 2018, 219, 109-119.	4.0	3
24	Synthesis and Physicochemical Properties of MnxFe3–xO4 Solid Solutions. Kondensirovannye Sredy Mezhfaznye Granitsy, 2020, 22, 466-472.	0.3	3
25	Chemical Interactions in a Mixture of Gadolinium and Silicon Colloidal Solutions. Colloids and Interface Science Communications, 2016, 14, 13-16.	4.1	2
26	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
27	Metal organic framework/polyelectrolyte composites for water vapor sorption applications. Dalton Transactions, 2022, , .	3.3	2
28	Ruddlesden-Popper phases Sr3Ni2–Al O7–δ and some doped derivatives: Synthesis, oxygen nonstoichiometry and electrical properties. Solid State Ionics, 2018, 324, 241-246.	2.7	1
29	Preparation and characterisation of cobalt and cobalt-zinc ferrites for magnetorheological materials. Kondensirovannye Sredy Mezhfaznye Granitsy, 2022, 24, 19-28.	0.3	1
30	Magnetic nanoparticles for components of MRI diagnostics and electronic devices. Journal of the Belarusian State University Physics, 2021, , 12-19.	0.2	0
31	Đ¡Đ¸Đ½Ñ,ез, ÑÑ,Ñ€ÑƒĐºÑ,ÑƒÑ€Đ° и Đ¼Đ°Đ³Đ½Đ¸Ñ,Đ½Ñ‹Đµ ÑĐ²Đ³¼Đ¹ÑÑ,Đ²Đ° ĐºĐ¾Đ±Đ°Đ»ÑŒÑ,-ц	Đ <b>,₯</b> ₺₽₽	<sup>3</sup> ⁄4 <b>Ð</b> ²Ð³⁄4гE
32	NEW METHODS OF MODIFIED CERAMIC TECHNOLOGY FOR SYNTHESIS OF FUNCTIONAL NANOSTRUCTURED SYSTEMS. Computational Nanotechnology, 2021, 8, 18-23.	0.1	0