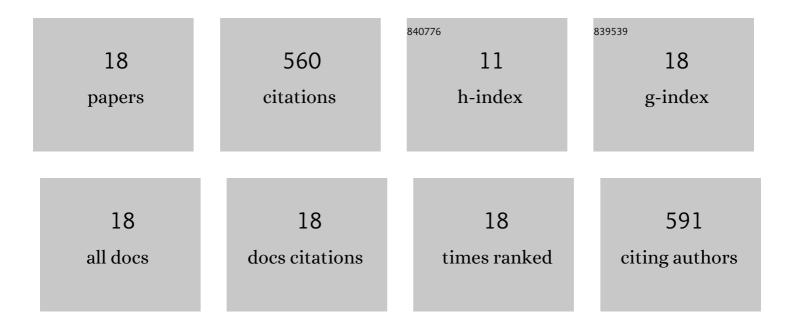
Sergey I Roslyakov

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Solution Combustion Synthesis of Nano-Crystalline Metallic Materials: Mechanistic Studies. Journal of Physical Chemistry C, 2013, 117, 24417-24427.	3.1	170
2	Ultrasmall α-Fe ₂ O ₃ Superparamagnetic Nanoparticles with High Magnetization Prepared by Template-Assisted Combustion Process. Journal of Physical Chemistry C, 2014, 118, 16264-16271.	3.1	104
3	In Situ Preparation of Highly Stable Ni-Based Supported Catalysts by Solution Combustion Synthesis. Journal of Physical Chemistry C, 2014, 118, 26191-26198.	3.1	58
4	Solution Combustion Synthesis of Copper Nanopowders: The Fuel Effect. Combustion Science and Technology, 2017, 189, 1878-1890.	2.3	33
5	Spray Solution Combustion Synthesis of Metallic Hollow Microspheres. Journal of Physical Chemistry C, 2016, 120, 7165-7171.	3.1	30
6	Solution combustion synthesis of nano-catalysts with a hierarchical structure. Journal of Catalysis, 2018, 364, 112-124.	6.2	29
7	Effect of the residual water content in gels on solution combustion synthesis temperature. Journal of Sol-Gel Science and Technology, 2020, 93, 251-261.	2.4	20
8	Solution combustion synthesis of single-phase bimetallic nanomaterials. Nano Structures Nano Objects, 2021, 26, 100727.	3.5	19
9	One-step synthesis of pure γ-FeNi alloy by reaÑŧive sol–gel combustion route: mechanism and properties. Journal of Sol-Gel Science and Technology, 2020, 94, 310-321.	2.4	18
10	Nanoscale Metastable ε-Fe ₃ N Ferromagnetic Materials by Self-Sustained Reactions. Inorganic Chemistry, 2019, 58, 5583-5592.	4.0	17
11	Cellulose assisted combustion synthesis of high surface area Ni-MgO catalysts: Mechanistic studies. Combustion and Flame, 2020, 221, 462-475.	5.2	13
12	Solution combustion synthesis: Dynamics of phase formation for highly porous nickel. Doklady Physical Chemistry, 2013, 449, 48-51.	0.9	11
13	Ceramics from self-sustained reactions: Recent advances. Journal of the European Ceramic Society, 2020, 40, 2512-2526.	5.7	11
14	Effects of Precursor Concentration in Solvent and Nanomaterials Room Temperature Aging on the Growth Morphology and Surface Characteristics of Ni–NiO Nanocatalysts Produced by Dendrites Combustion during SCS. Applied Sciences (Switzerland), 2019, 9, 4925.	2.5	10
15	Influence of Preheating Temperature on Solution Combustion Synthesis of Ni–NiO Nanocomposites: Mathematical Model and Experiment. International Journal of Self-Propagating High-Temperature Synthesis, 2018, 27, 207-215.	0.5	8
16	One-step solution combustion synthesis of nanostructured transition metal antiperovskite nitride and alloy. Nano Structures Nano Objects, 2021, 28, 100796.	3.5	7
17	Optimization of the fabrication parameters of the Co3O4/SiO2 supported ceramic catalyst for CO gas conversion: Design of experiment for solution combustion synthesis. Ceramics International, 2021, 47, 12935-12940.	4.8	1
18	Spray Solution Combustion Synthesis of NiCu Hollow Spheres. Lecture Notes in Mechanical Engineering, 2022, , 11-17.	0.4	1