

# RÃ³bia Young Sun Zampiva

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

271  
citations

932766

10  
h-index

887659

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Nanotubes for Gas Sensing. <i>Engineering Materials</i> , 2022, , 55-71.	0.3	1
2	Correlation of synthesis parameters to the structural and magnetic properties of spinel cobalt ferrites (CoFe <sub>2</sub> O <sub>4</sub> ) – an experimental and statistical study. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 550, 169128.	1.0	9
3	Role of the fuel stoichiometry and post-treatment temperature on the spinel inversion and magnetic properties of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles produced by solution combustion synthesis. <i>Materials Research Bulletin</i> , 2021, 138, 111238.	2.7	12
4	Energy conversion dynamics of novel lanthanide-doped forsterite photoactive devices. <i>Applied Surface Science</i> , 2021, 561, 150059.	3.1	1
5	One-step synthesis of carbon nanoflowers by arc discharge in water. <i>Ceramics International</i> , 2020, 46, 26229-26232.	2.3	3
6	Ecofriendly synthesis of MWCNTs by electric arc in aqueous medium: Comparative study of 6B pencil and mineral graphite. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2357-2367.	1.1	4
7	Rare-Earth Doped Forsterite: Anti-reflection Coating with Upconversion Properties as Solar Capture Solution. <i>Engineering Materials</i> , 2019, , 103-130.	0.3	2
8	Excess of cations in the sol-gel synthesis of cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ): A pathway to switching the inversion degree of spinels. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 482, 1-8.	1.0	57
9	CNT sponges with outstanding absorption capacity and electrical properties: Impact of the CVD parameters on the product structure. <i>Ceramics International</i> , 2019, 45, 13761-13771.	2.3	10
10	The impact of the reaction atmosphere on the additive-free growth of Mg <sub>2</sub> B <sub>2</sub> O <sub>5</sub> nanorods. <i>Ceramics International</i> , 2019, 45, 6228-6235.	2.3	11
11	Li <sub>2</sub> O-ZrO <sub>2</sub> -SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanostructured composites for microelectronics applications. <i>Journal of the European Ceramic Society</i> , 2019, 39, 491-498.	2.8	18
12	Sol-gel synthesis of substoichiometric cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) spinels: Influence of additives on their stoichiometry and magnetic properties. <i>Ceramics International</i> , 2018, 44, 12381-12388.	2.3	49
13	Tunable green/red luminescence by infrared upconversion in biocompatible forsterite nanoparticles with high erbium doping uptake. <i>Optical Materials</i> , 2018, 76, 407-415.	1.7	16
14	Conductivity dynamics of metallic-to-insulator transition near room temperature in normal spinel CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4720-4726.	2.7	19
15	Luminescent anti-reflection coatings based on Er <sup>3+</sup> doped forsterite for commercial silicon solar cells applications. <i>Solar Energy</i> , 2018, 170, 752-761.	2.9	14
16	Nanoscale synthesis of single-phase forsterite by reverse strike co-precipitation and its high optical and mechanical properties. <i>Ceramics International</i> , 2017, 43, 16225-16231.	2.3	18
17	3D CNT macrostructure synthesis catalyzed by MgFe <sub>2</sub> O <sub>4</sub> nanoparticles – A study of surface area and spinel inversion influence. <i>Applied Surface Science</i> , 2017, 422, 321-330.	3.1	24
18	Mg <sub>2</sub> SiO <sub>4</sub> :Er <sup>3+</sup> Coating for Efficiency Increase of Silicon-Based Commercial Solar Cells. <i>Smart Innovation, Systems and Technologies</i> , 2017, , 820-828.	0.5	3