

Vitaliy Shvalagin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5445468/publications.pdf>

Version: 2024-02-01

51
papers

739
citations

566801

15
h-index

552369

26
g-index

52
all docs

52
docs citations

52
times ranked

973
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Hard template synthesis and photocatalytic activity of graphitic carbon nitride in the hydrogen evolution reaction using organic acids as electron donors. <i>Journal of Molecular Structure</i> , 2022, 1250, 131741. | 1.8 | 9 |
| 2 | Photocatalytic Fluorination of Unactivated C(sp ³)-H Bonds in the Presence of Titanium Dioxide and Graphite-Like Carbon Nitride. <i>Theoretical and Experimental Chemistry</i> , 2021, 56, 396-403. | 0.2 | 0 |
| 3 | Synthesis and characterization of different binary and ternary phase mixtures of mesoporous nanocrystalline titanium dioxide. <i>SN Applied Sciences</i> , 2021, 3, 1. | 1.5 | 6 |
| 4 | Photoluminescence and optical studies of 4 MeV electron irradiated MOCVD grown GaN. <i>Materials Chemistry and Physics</i> , 2021, 267, 124669. | 2.0 | 0 |
| 5 | Synergistic Action of Acidity and Pd, Au, and Pt Ions on the Photocatalytic Properties of Metal-Containing Nanocomposites Based on g-C ₃ N ₄ in the Reaction of Hydrogen Production from Ethanol. <i>Theoretical and Experimental Chemistry</i> , 2021, 57, 199-204. | 0.2 | 2 |
| 6 | Acid treated crystalline graphitic carbon nitride with improved efficiency in photocatalytic ethanol oxidation under visible light. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 271, 115304. | 1.7 | 11 |
| 7 | Facile preparation and high photocatalytic activity of crystalline graphitic carbon nitride in hydrogen evolution from electron donor solutions under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112295. | 2.0 | 20 |
| 8 | Photocatalytic Activity of g-C ₃ N ₄ in the Partial Oxidation of Benzyl Alcohol Under Visible Light. <i>Theoretical and Experimental Chemistry</i> , 2020, 56, 111-116. | 0.2 | 9 |
| 9 | Influence of the phase composition of the TiO ₂ matrix on the optical properties and morphology of deposited C ₃ N ₄ O _x nanoparticles. <i>Himia, Fizika Ta Tehnologija Poverhni</i> , 2020, 11, 492-507. | 0.2 | 1 |
| 10 | Mesoporous TiO ₂ microspheres with improved efficiency for photooxidation of volatile organic compounds. <i>Research on Chemical Intermediates</i> , 2019, 45, 4133-4148. | 1.3 | 7 |
| 11 | Semiconductor Nanocatalysts for CO ₂ Photoconversion Giving Organic Compounds: Design and Physicochemical Characteristics: A Review. <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 2-28. | 0.2 | 3 |
| 12 | Photocatalytic evolution of H ₂ from aqueous solutions of two-component electron-donor substrates in the presence of g-C ₃ N ₄ activated by heat treatment in the KCl+LiCl melt. <i>Applied Surface Science</i> , 2019, 475, 348-354. | 3.1 | 21 |
| 13 | Photocatalytic Activity of Mesoporous Titanium Dioxide Stabilized with Lanthanum in the Gas-Phase Oxidation of Ethanol. <i>Theoretical and Experimental Chemistry</i> , 2018, 53, 395-401. | 0.2 | 5 |
| 14 | The Use of Carbon Nanoparticles for Inkjet-Printed Functional Labels for Smart Packaging. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-10. | 1.5 | 9 |
| 15 | Carbon Nitride Nanocomposites with Layered Niobates as Photocatalysts for Hydrogen Evolution from Aqueous Solutions of Organic Acids by the Action of Visible Light. <i>Theoretical and Experimental Chemistry</i> , 2018, 54, 99-106. | 0.2 | 8 |
| 16 | Photocatalytic Activity of Layered KNb ₃ O ₈ and K ₃ H ₃ Nb ₁₀ . ₈ O ₃₀ in Gas-Phase Decomposition of Methanol. <i>Theoretical and Experimental Chemistry</i> , 2017, 52, 337-341. | 0.2 | 4 |
| 17 | Photocatalytic activity of nanostructured composites based on layered niobates and C ₃ N ₄ in the hydrogen evolution reaction from electron donor solutions under visible light. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24108-24116. | 3.8 | 20 |
| 18 | Photocatalytic Properties of Layered K ₃ H ₃ Nb ₁₀ . ₈ O ₃₀ in the Hydrogen Evolution Reaction from Aqueous Solutions of Alcohols. <i>Theoretical and Experimental Chemistry</i> , 2017, 53, 100-105. | 0.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Photocatalytic and photoelectrochemical properties of hierarchical mesoporous TiO ₂ microspheres produced using a crown template. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 334, 26-35. | 2.0 | 10 |
| 20 | Influence of Parameters of Screen Printing on Photoluminescence Properties of Nanophotonic Labels for Smart Packaging. <i>Journal of Nanotechnology</i> , 2017, 2017, 1-12. | 1.5 | 10 |
| 21 | The Influence of Parameters of Ink-Jet Printing on Photoluminescence Properties of Nanophotonic Labels Based on Ag Nanoparticles for Smart Packaging. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9. | 1.5 | 6 |
| 22 | Influence of Nanosized Silicon Oxide on the Luminescent Properties of ZnO Nanoparticles. <i>Journal of Nanotechnology</i> , 2016, 2016, 1-7. | 1.5 | 2 |
| 23 | Photonics and Nanophotonics and Information and Communication Technologies in Modern Food Packaging. <i>Nanoscale Research Letters</i> , 2015, 10, 229. | 3.1 | 14 |
| 24 | Hard template synthesis of porous carbon nitride materials with improved efficiency for photocatalytic CO ₂ utilization. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 202, 1-7. | 1.7 | 39 |
| 25 | Photochemical Reduction of Silver and Tetrachloroaurate Ions on the Surface of Nanostructured Sn ₃ O ₄ Under the Influence of Visible Light. <i>Theoretical and Experimental Chemistry</i> , 2015, 51, 177-182. | 0.2 | 1 |
| 26 | Luminescence of Cds Nanoparticles Doped with Silver Ions. <i>Theoretical and Experimental Chemistry</i> , 2014, 50, 212-217. | 0.2 | 2 |
| 27 | Effect of the Morphology of TiO ₂ /Ti Electrodes on Photoactivity in the Electrochemical Reduction of Carbon Dioxide. <i>Theoretical and Experimental Chemistry</i> , 2014, 50, 218-225. | 0.2 | 1 |
| 28 | Long-term transformation of GaN/Al ₂ O ₃ defect subsystem induced by weak magnetic fields. <i>Journal of Luminescence</i> , 2014, 153, 417-420. | 1.5 | 9 |
| 29 | Photocatalytic Reduction of Carbon Dioxide by Water Vapor on Mesoporous Titania Modified by Bimetallic Au/Cu Nanostructures. <i>Theoretical and Experimental Chemistry</i> , 2014, 50, 53-58. | 0.2 | 17 |
| 30 | Photocatalytic Reduction of CO ₂ on Mesoporous TiO ₂ Modified with Ag/Cu Bimetallic Nanostructures. <i>Theoretical and Experimental Chemistry</i> , 2014, 50, 175-180. | 0.2 | 16 |
| 31 | Photocatalytic Reduction of CO ₂ Using Titanium Dioxide and Metal-Semiconductor Nanostructures Made from Titanium Dioxide. <i>Theoretical and Experimental Chemistry</i> , 2013, 49, 172-177. | 0.2 | 8 |
| 32 | Nonresonant Surface-Enhanced Raman Scattering of ZnO Quantum Dots with Au and Ag Nanoparticles. <i>ACS Nano</i> , 2013, 7, 3420-3426. | 7.3 | 74 |
| 33 | Gelatin-templated mesoporous titania for photocatalytic air treatment and application in metal chalcogenide nanoparticle-sensitized solar cells. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 621-625. | 1.6 | 12 |
| 34 | Luminescent Nanosized Composites for Indicating and Preventing Compositional Changes of Packaged Products in Modern Printed Packaging. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 1141-1146. | 0.4 | 5 |
| 35 | Photocatalytic properties of rutile nanoparticles obtained via low temperature route from titanate nanotubes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 218, 231-238. | 2.0 | 15 |
| 36 | Photochemical reduction of sulfur in the presence of ZnO nanoparticles in ethanol. <i>Theoretical and Experimental Chemistry</i> , 2010, 46, 218-224. | 0.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Size-Dependent Optical Properties of Colloidal ZnO Nanoparticles Charged by Photoexcitation. Journal of Physical Chemistry C, 2010, 114, 220-225. | 1.5 | 73 |
| 38 | Photocatalytic growth of CdS, PbS, and CuxS nanoparticles on the nanocrystalline TiO2 films. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 203, 137-144. | 2.0 | 51 |
| 39 | Photochemical formation of semiconducting nanostructures. Theoretical and Experimental Chemistry, 2008, 44, 205-231. | 0.2 | 17 |
| 40 | Nanosystems in traditional and advanced printing technologies. High Energy Chemistry, 2008, 42, 560-562. | 0.2 | 1 |
| 41 | Photochemical synthesis of ZnO/Ag nanocomposites. Journal of Nanoparticle Research, 2007, 9, 427-440. | 0.8 | 46 |
| 42 | Photoinduced variations in the size of nanoparticles of CdS in colloidal solutions. Theoretical and Experimental Chemistry, 2007, 43, 184-190. | 0.2 | 3 |
| 43 | Photocatalytic formation of porous CdS/ZnO nanospheres and CdS nanotubes. Theoretical and Experimental Chemistry, 2007, 43, 229-234. | 0.2 | 16 |
| 44 | Photochemical synthesis and optical properties of binary and ternary metal- semiconductor composites based on zinc oxide nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 173, 185-194. | 2.0 | 97 |
| 45 | Photocatalytic synthesis of ZnO/Ag nanostructure sensitized by methylene blue. Theoretical and Experimental Chemistry, 2005, 41, 13-18. | 0.2 | 0 |
| 46 | Photochemical Synthesis, Spectral-Optical and Electrophysical Properties of Composite Nanoparticles of ZnO/Ag. Theoretical and Experimental Chemistry, 2004, 40, 98-104. | 0.2 | 18 |
| 47 | Photochemical Synthesis and Spectral-Optical Characteristics of ZnO/Cu and ZnO/Ag/Cu Nanoheterostructures. Theoretical and Experimental Chemistry, 2004, 40, 149-153. | 0.2 | 6 |
| 48 | Role of quantum-sized effects on the cathodic photocorrosion of ZnO nanoparticles in ethanol. Theoretical and Experimental Chemistry, 2004, 40, 378-382. | 0.2 | 15 |
| 49 | Photocatalysis of the Reduction of Cd ²⁺ Ions by CdS Nanoparticles in Isopropyl Alcohol. Theoretical and Experimental Chemistry, 2003, 39, 341-346. | 0.2 | 10 |
| 50 | Photoluminescence Properties of Nanophotonic Labels Based on Ag Nanoparticles for Smart Packaging Produced by Screen Printing. Journal of Nano Research, 0, 73, 1-14. | 0.8 | 0 |
| 51 | Photocatalytic Obtaining and Optical Properties of Composites Based on Layered Niobates and Silver Nanoparticles. Theoretical and Experimental Chemistry, 0, , . | 0.2 | 0 |