

Vladimir L Kuznetsov

List of Publications by Citations

Source: <https://exaly.com/author-pdf/962611/vladimir-l-kuznetsov-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

2,081
citations

17
h-index

45
g-index

45
ext. papers

2,313
ext. citations

4.6
avg, IF

4.54
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 44 | Hydrogen and fuel cells: Towards a sustainable energy future. <i>Energy Policy</i> , 2008 , 36, 4356-4362 | 7.2 | 662 |
| 43 | Preparation and thermoelectric properties of A8IIB16IIIB30IV clathrate compounds. <i>Journal of Applied Physics</i> , 2000 , 87, 7871-7875 | 2.5 | 234 |
| 42 | Hydrogen nexus in a sustainable energy future. <i>Energy and Environmental Science</i> , 2008 , 1, 79 | 35.4 | 200 |
| 41 | Organotin Dithiocarbamates: Single-Source Precursors for Tin Sulfide Thin Films by Aerosol-Assisted Chemical Vapor Deposition (AACVD). <i>Chemistry of Materials</i> , 2013 , 25, 266-276 | 9.6 | 115 |
| 40 | Effect of partial void filling on the transport properties of $\text{Nd}_x\text{Co}_4\text{Sb}_{12}$ skutterudites. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 5035-5048 | 1.8 | 114 |
| 39 | Thermoelectric properties and crystal structure of ternary compounds in the $\text{Ge}(\text{Sn,Pb})\text{TeBi}_2\text{Te}_3$ systems. <i>Journal of Physics and Chemistry of Solids</i> , 2000 , 61, 1269-1274 | 3.9 | 90 |
| 38 | Energy Storage via Carbon-Neutral Fuels Made From CO_2 , Water, and Renewable Energy. <i>Proceedings of the IEEE</i> , 2012 , 100, 440-460 | 14.3 | 84 |
| 37 | Electrical and thermal transport properties of intermediate-valence YbAl_3 . <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 2183-2186 | 3 | 60 |
| 36 | Dopant-induced bandgap shift in Al-doped ZnO thin films prepared by spray pyrolysis. <i>Journal of Applied Physics</i> , 2012 , 112, 083708 | 2.5 | 45 |
| 35 | Solid solution formation in the $\text{Zn}_4\text{Sb}_3\text{--}x\text{--}y\text{--}z\text{--}x_4\text{Sb}_3$ system. <i>Journal of Alloys and Compounds</i> , 2004 , 372, 103-106 | 5.7 | 39 |
| 34 | Highly conducting and optically transparent Si-doped ZnO thin films prepared by spray pyrolysis. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6960 | 7.1 | 37 |
| 33 | Methanol-to-hydrocarbons conversion over MoO/H-ZSM-5 catalysts prepared lower temperature calcination: a route to tailor the distribution and evolution of promoter Mo species, and their corresponding catalytic properties. <i>Chemical Science</i> , 2015 , 6, 5152-5163 | 9.4 | 31 |
| 32 | Microwave treatment in oil refining. <i>Applied Petrochemical Research</i> , 2012 , 2, 37-44 | 1.9 | 30 |
| 31 | Sir Humphry Davy: boundless chemist, physicist, poet and man of action. <i>ChemPhysChem</i> , 2008 , 9, 59-66 | 3.2 | 29 |
| 30 | Effect of nonstoichiometry on the thermoelectric properties of GeBi_4Te_7 . <i>Journal of Applied Physics</i> , 1999 , 85, 3207-3210 | 2.5 | 29 |
| 29 | Electrical transport properties of SnBi_4Te_7 and PbBi_4Te_7 with different deviations from stoichiometry. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 700-703 | 3 | 28 |
| 28 | UV-induced improvement in ZnO thin film conductivity: a new in situ approach. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9643-9652 | 7.1 | 22 |

| | | | |
|----|---|-----|----|
| 27 | Multitemperature synchrotron powder diffraction and thermoelectric properties of the skutterudite La _{0.1} Co ₄ Sb ₁₂ . <i>Journal of Applied Physics</i> , 2010 , 107, 113507 | 2.5 | 17 |
| 26 | Electronic conduction in amorphous and polycrystalline zinc-indium oxide films. <i>Applied Physics Letters</i> , 2010 , 97, 262117 | 3.4 | 17 |
| 25 | Catalytic dehydrogenation of propane by carbon dioxide: a medium-temperature thermochemical process for carbon dioxide utilisation. <i>Faraday Discussions</i> , 2015 , 183, 161-76 | 3.6 | 16 |
| 24 | The Transition to the Metallic State in Polycrystalline n-type Doped ZnO Thin Films. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 1054-1062 | 1.3 | 16 |
| 23 | Electronic transport in highly conducting Si-doped ZnO thin films prepared by pulsed laser deposition. <i>Applied Physics Letters</i> , 2015 , 107, 232103 | 3.4 | 16 |
| 22 | Structural, optical and electrical properties of In ₄ Sn ₃ O ₁₂ films prepared by pulsed laser deposition. <i>Materials Chemistry and Physics</i> , 2010 , 123, 152-159 | 4.4 | 16 |
| 21 | Homogeneity range of e-phase Zn ₄ Sb ₃ . <i>Journal of Alloys and Compounds</i> , 2007 , 432, 116-121 | 5.7 | 16 |
| 20 | High temperature electrical transport properties of the EuFe ₄ Sb ₁₂ and YbFe ₄ Sb ₁₂ filled skutterudites. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 7915-7921 | 1.8 | 16 |
| 19 | Citric acid-assisted synthesis of Alumina-supported high loading CoMo sulfide catalysts for the hydrodesulfurization (HDS) and hydrodenitrogenation (HDN) reactions. <i>Applied Petrochemical Research</i> , 2015 , 5, 181-197 | 1.9 | 15 |
| 18 | Superconductivity in transition metals. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015 , 373, | 3 | 13 |
| 17 | High alcohol synthesis (HAS) from syngas over supported molybdenum carbide catalysts. <i>Applied Petrochemical Research</i> , 2013 , 3, 71-77 | 1.9 | 10 |
| 16 | Electronic structure of ternary Cd _x Zn _{1-x} O (0 ≤ x ≤ 0.075) alloys. <i>Applied Physics Letters</i> , 2012 , 100, 072106 | 3.4 | 10 |
| 15 | Characterization of polyethylene synthesized by zirconium single site catalysts. <i>Applied Petrochemical Research</i> , 2014 , 4, 79-84 | 1.9 | 8 |
| 14 | The effect of lanthanum addition on the catalytic activity of Alumina supported bimetallic CoMo carbides for dry methane reforming. <i>Applied Petrochemical Research</i> , 2014 , 4, 145-156 | 1.9 | 7 |
| 13 | Low temperature sputter-deposited ZnO films with enhanced Hall mobility using excimer laser post-processing. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 485306 | 3 | 7 |
| 12 | Peltier effect in normal metal-insulator-heavy fermion metal junctions. <i>Applied Physics Letters</i> , 2003 , 82, 2272-2274 | 3.4 | 7 |
| 11 | Hydrogen bonds between methanol and the light liquid olefins 1-pentene and 1-hexene: from application to fundamental science. <i>Chemical Communications</i> , 2017 , 53, 4026-4029 | 5.8 | 4 |
| 10 | Contrasting the grain boundary-affected performance of zinc and indium oxide transparent conductors. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 224003 | 1.8 | 4 |

| | | | |
|---|--|-----|---|
| 9 | Increasing the Solubility Limit for Tetrahedral Aluminium in ZnO:Al Nanorods by Variation in Synthesis Parameters. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8 | 3.2 | 4 |
| 8 | Origins of conductivity improvement in fluoride-enhanced silicon doping of ZnO films. <i>Chemical Communications</i> , 2015 , 51, 9280-3 | 5.8 | 3 |
| 7 | The Indirect and Direct Conversion of CO ₂ into Higher Carbon Fuels 2015 , 161-182 | | 2 |
| 6 | Electrical and optical properties of transparent conducting In _{4+x} Sn _{3-2x} Sb _x O ₁₂ thin films. <i>Journal of Applied Physics</i> , 2011 , 110, 033702 | 2.5 | 2 |
| 5 | Metals and non-metals in the periodic table. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20200213 | 3 | 2 |
| 4 | Hydrogen: An End-State Solution for Transportation? 2012 , 143-163 | | 1 |
| 3 | Highly Conductive In ₄ Sn ₃ O ₁₂ Films Prepared by Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1102, 1 | | 1 |
| 2 | Peltier heat measurements at a junction between materials exhibiting Fermi gas and Fermi liquid behaviour. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, 2750-2755 | 3 | 1 |
| 1 | Preface for the special issue of the 3rd KACST-Oxford Petrochemical Forum. <i>Applied Petrochemical Research</i> , 2014 , 4, 1-2 | 1.9 | |