

# Ksenia E Smetanina

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

146  
citations

1307594

7  
h-index

1199594

12  
g-index

18  
all docs

18  
docs citations

18  
times ranked

79  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Effect of grain boundary state and grain size on the microstructure and mechanical properties of alumina obtained by SPS: A case of the amorphous layer on particle surface. <i>Ceramics International</i> , 2022, 48, 25723-25740.                                | 4.8  | 6         |
| 2  | Influence of oxygen on densification kinetics of WC nanopowders during SPS. <i>Ceramics International</i> , 2021, 47, 4294-4309.   | 4.8  | 21        |
| 3  | Spark plasma sintering of fine-grained WC hard alloys with ultra-low cobalt content. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157535.   | 5.5  | 19        |
| 4  | Binderless tungsten carbides with an increased oxygen content obtained by spark plasma sintering. <i>Journal of Physics: Conference Series</i> , 2021, 1758, 012023.   | 0.4  | 1         |
| 5  | Structural-phase features of WC-based ceramics obtained by the spark plasma sintering method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1014, 012053.  | 0.6  | 3         |
| 6  | Effect of initial particle size and various composition on the spark plasma sintering of binderless tungsten carbide. <i>Journal of Physics: Conference Series</i> , 2021, 1758, 012022.   | 0.4  | 1         |
| 7  | IR-transparent MgO-Gd <sub>2</sub> O <sub>3</sub> composite ceramics produced by self-propagating high-temperature synthesis and spark plasma sintering. <i>Journal of Advanced Ceramics</i> , 2021, 10, 237-246.  | 17.4 | 25        |
| 8  | A Study of the Impact of Graphite on the Kinetics of SPS in Nano- and Submicron WC-10%Co Powder Compositions. <i>Ceramics</i> , 2021, 4, 331-363.  | 2.6  | 9         |
| 9  | Investigation of Microstructure and Corrosion Resistance of Ti-Al-V Titanium Alloys Obtained by Spark Plasma Sintering. <i>Metals</i> , 2021, 11, 945.   | 2.3  | 10        |
| 10 | Ultralow-cobalt hard alloys obtained by spark plasma sintering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1014, 012020.  | 0.6  | 1         |
| 11 | Fabrication and Magneto-Optical Properties of Yb <sub>2</sub> O <sub>3</sub> Based Ceramics. <i>Magnetochemistry</i> , 2020, 6, 63.  | 2.4  | 14        |
| 12 | Kinetics of Spark Plasma Sintering of WC-10% Co Ultrafine-Grained Hard Alloy. <i>Inorganic Materials: Applied Research</i> , 2020, 11, 586-597.  | 0.5  | 8         |
| 13 | Study of the kinetics of spark plasma sintering of ultrafine-grained hard alloys WC-10%Co. <i>Journal of Physics: Conference Series</i> , 2020, 1431, 012030.  | 0.4  | 1         |
| 14 | Surface treatment of titanium alloys for the x-ray diffraction study. <i>AIP Conference Proceedings</i> , 2020, , .  | 0.4  | 2         |
| 15 | Studying the homogeneity of the phase composition of hard alloys based on WC-Co. <i>AIP Conference Proceedings</i> , 2020, , .   | 0.4  | 3         |
| 16 | Optimization of the phase composition of hard alloys obtained by spark plasma sintering of powders WC + 10% Co. <i>Journal of Physics: Conference Series</i> , 2019, 1347, 012064.   | 0.4  | 6         |
| 17 | X-ray powder diffraction analysis of a tungsten carbide-based ceramic. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 558, 012003.  | 0.6  | 15        |
| 18 | Experimental study of the influence of different carbon content on the shrinkage kinetics and structure evolution of ultralow-cobalt hard alloys during spark plasma sintering. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 1008, 012049. | 0.6  | 1         |