

# Jana Ptáčinová

## List of Publications by Year in descending order

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19  
papers

223  
citations

1163117

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996975

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all docs

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docs citations

20  
times ranked

119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and hardness of sub-zero treated and no tempered P/M Vanadis 6 ledeburitic tool steel. Vacuum, 2015, 111, 92-101.	3.5	46
2	Characterization of microstructure and tempering response of conventionally quenched, short- and long-time sub-zero treated PM Vanadis 6 ledeburitic tool steel. Materials Characterization, 2017, 134, 398-415.	4.4	40
3	Microstructure " Toughness relationships in sub-zero treated and tempered Vanadis 6 steel compared to conventional treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 702, 241-258.	5.6	28
4	Changes in microstructure of ledeburitic tool steel due to vacuum austenitizing and quenching, sub-zero treatments at ~140°C and tempering. Vacuum, 2019, 170, 108977.	3.5	21
5	Investigation of the Microstructural Changes and Hardness Variations of Sub-Zero Treated Cr-V Ledeburitic Tool Steel Due to the Tempering Treatment. Journal of Materials Engineering and Performance, 2018, 27, 1514-1529.	2.5	17
6	Long-term Sub-zero Treatment of P/M Vanadis 6 Ledeburitic Tool Steel - a Preliminary Study. Manufacturing Technology, 2015, 15, 41-47.	1.4	14
7	Characterization of boronized layers on Vanadis 6 tool steel. Surface Engineering, 2021, 37, 445-454.	2.2	12
8	Metallurgical principles of microstructure formation in sub-zero treated cold-work tool steels" "a review. Materiaux Et Techniques, 2018, 106, 104.	0.9	12
9	Oxidation stability of boride coatings. Metallic Materials, 2016, 53, 175-186.	0.3	7
10	Microstructure and Hardness of Cold Work Vanadis 6 Steel after Subzero Treatment at ~140°C. Advances in Materials Science and Engineering, 2018, 2018, 1-7.	1.8	7
11	Fracture toughness of ledeburitic Vanadis 6 steel after sub-zero treatment for 17 h and double tempering. Materiali in Tehnologije, 2017, 51, 729-733.	0.5	6
12	Investigation of the Microstructure and Mechanical Characteristics of Disk Laser-Welded Ti-6Al-4V Alloy Joints. Journal of Materials Engineering and Performance, 2020, 29, 593-606.	2.5	5
13	Microstructural Evaluation of Tool Steel Vanadis 6 after Sub-Zero Treatment at -140 °C without Tempering. Manufacturing Technology, 2018, 18, 222-226.	1.4	3
14	Microstructure of Cr<sub>2</sub>/sub>N-11Ag Nanocomposite Thin Film Deposited on Vanadis 6 Tool Steel. Key Engineering Materials, 0, 647, 121-128.	0.4	2
15	Identification of Carbides in Sub-Zero Treated Vanadis 6 Ledeburitic Steel. Key Engineering Materials, 2015, 647, 9-16.	0.4	1
16	Interaction of Cr <sub>2</sub> N and Cr <sub>2</sub> N/Ag thin films with CuZn-brass counterpart during ball-on-disc testing. Materiali in Tehnologije, 2015, 49, 429-433.	0.5	1
17	Influence of sub-zero treatment in liquid helium and tempering on the microstructure of tool steel vanadis 6. , 2019, , .		1
18	Fracture Micromechanism of Cryogenically Processed Vanadis 6 Tool Steel. Defect and Diffusion Forum, 0, 395, 45-54.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Microstructural Characterization of Ledeburitic Tool Steel after Sub-Zero Treatment and Tempering. Defect and Diffusion Forum, 2020, 403, 103-109.	0.4	0