Milos B Djukic

List of Publications by Year
in descending order

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Version: 2024-02-01

36 papers	1,422 citations	686830 13 h-index	580395 25 g-index
39 all docs	39 docs citations	39 times ranked	657 citing authors

#	Article	IF	Citations
1	Stress Corrosion Crack Growth Simulation by the Finite Element Method. Lecture Notes in Networks and Systems, 2022, , 257-274.	0.5	0
2	A probabilistic approach to estimate the remaining life and reliability of corroded pipelines. Journal of Natural Gas Science and Engineering, 2022, 99, 104387.	2.1	15
3	External corrosion of oil and gas pipelines: A review of failure mechanisms and predictive preventions. Journal of Natural Gas Science and Engineering, 2022, 100, 104467.	2.1	93
4	Recent Advances on Hydrogen Embrittlement Understanding and Future Research Framework, Editorial. Engineering Fracture Mechanics, 2021, 241, 107439.	2.0	5
5	Corrosion induced failure of the ductile iron pipes at micro- and nano-levels. Engineering Failure Analysis, 2021, 121, 105169.	1.8	13
6	Assessment of corroded API 5L X52 pipe elbow using a modified failure assessment diagram. International Journal of Pressure Vessels and Piping, 2021, 190, 104291.	1.2	15
7	Influence of hydrogen-enhanced plasticity and decohesion mechanisms of hydrogen embrittlement on the fracture resistance of steel. Engineering Failure Analysis, 2021, 123, 105312.	1.8	85
8	Microstructure and Wear Behavior of MMC Coatings Deposited by Plasma Transferred Arc Welding and Thermal Flame Spraying Processes. Transactions of the Indian Institute of Metals, 2020, 73, 259-271.	0.7	12
9	Hydrogen embrittlement of low carbon structural steel at macro-, micro- and nano-levels. International Journal of Hydrogen Energy, 2020, 45, 2145-2156.	3.8	96
10	Long-term external microbiologically influenced corrosion of buried cast iron pipes in the presence of sulfate-reducing bacteria (SRB). Engineering Failure Analysis, 2020, 115, 104657.	1.8	36
11	The synergistic effects of hydrogen embrittlement and transient gas flow conditions on integrity assessment of a precracked steel pipeline. International Journal of Hydrogen Energy, 2020, 45, 18010-18020.	3.8	57
12	Probabilistic analysis of corroded pipeline under localized corrosion defects based on the intelligent inspection tool. Engineering Failure Analysis, 2020, 115, 104683.	1.8	31
13	The synergistic action and interplay of hydrogen embrittlement mechanisms in steels and iron: Localized plasticity and decohesion. Engineering Fracture Mechanics, 2019, 216, 106528.	2.0	344
14	Theoretical study of AlN mechanical behaviour under high pressure regime. Theoretical and Applied Fracture Mechanics, 2019, 103, 102289.	2.1	20
15	Rendgenska difraktometrija praha - XRPD. , 2019, , .		0
16	The development and application of the new methodology for conveyor idlers fits testing. Procedia Structural Integrity, 2018, 13, 2143-2151.	0.3	2
17	Theoretical investigation of structural, mechanical, elastic and vibrational properties of advanced materials under extreme conditions. Procedia Structural Integrity, 2018, 13, 2005-2010.	0.3	1
18	Hydrogen Permeation and Hydrogen-Induced Cracking. , 2018, , 133-162.		32

#	Article	IF	Citations
19	Characterization of a coating 316L applied by plasma transferred arc. Hemijska Industrija, 2018, 72, 139-147.	0.3	2
20	Plazma metalizacija u vazduhu. , 2018, , .		0
21	Characterization of Tube Repair Weld in Thermal Power Plant Made of a 12%Cr Tempered Martensite Ferritic Steel. Lecture Notes in Mechanical Engineering, 2017, , 151-169.	0.3	0
22	Hladna metalizacija. , 2017, , .		0
23	Towards a unified and practical industrial model for prediction of hydrogen embrittlement and damage in steels. Procedia Structural Integrity, 2016, 2, 604-611.	0.3	40
24	Oxidation behavior during prolonged service of boiler tubes made of 2.25Cr1Mo and 12Cr1Mo0.3V heat resistance steels. Procedia Structural Integrity, 2016, 2, 3647-3653.	0.3	5
25	Statistical correlation between vibration characteristics, surface temperatures and service life of rolling bearings â€“ artificially contaminated by open pit coal mine debris particles. Procedia Structural Integrity, 2016, 2, 2338-2346.	0.3	6
26	Hydrogen Embrittlement of Industrial Components: Prediction, Prevention, and Models. Corrosion, 2016, 72, 943-961.	0.5	140
27	Hydrogen damage of steels: A case study and hydrogen embrittlement model. Engineering Failure Analysis, 2015, 58, 485-498.	1.8	240
28	Metalizacija velikim brzinama u struji produkata sagorevanja - HVOF. , 2015, , .		0
29	Numerical analysis of thermal stresses in welded joint smade of steels X20 and X22. Thermal Science, 2014, 18, 121-126.	0.5	2
30	Remaining life assessment of a high pressure turbine casing in creep and low cycle service regime. Thermal Science, 2014, 18, 127-138.	0.5	4
31	Material Characterization of the Main Steam Gate Valve Made of X20CrMoV 12.1 Steel after Long Term Service. , 2014, 3, 1512-1517.		7
32	Hydrogen Embrittlement of Low Carbon Structural Steel. , 2014, 3, 1167-1172.		86
33	The thermal history and stress state of a fresh steam-pipeline influencing its remaining service life. Thermal Science, 2011, 15, 691-704.	0.5	8
34	Fracture of Nano and Engineering Materials and Structures. , 2006, , .		20
35	Repair Welding of Crane Wheels in Steelworks Smederevo. Advanced Materials Research, 0, 1138, 180-185.	0.3	3
36	Structure Integrity of Pressure Vesels Repair Welding Joints. , 0, , 1083-1084.		0