

Navid Saeidi

List of Publications by Year in Descending Order

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Version: 2024-04-28

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

34
papers

646
citations

15
h-index

25
g-index

35
ext. papers

744
ext. citations

3.3
avg, IF

4.29
L-index

#	Paper	IF	Citations
34	Laminated steel/aluminum composites: Improvement of mechanical properties by annealing treatment. <i>Materials Today Communications</i> , 2021 , 29, 102866	2.5	0
33	Microstructural Modifications of Dual-Phase Steels: An Overview of Recent Progress and Challenges. <i>Steel Research International</i> , 2020 , 91, 2000178	1.6	3
32	Development of an Advanced Ultrahigh Strength TRIP Steel and Evaluation of Its Unique Strain Hardening Behavior. <i>Metals and Materials International</i> , 2020 , 26, 168-178	2.4	20
31	Effect of Microstructure on Hydrogen Embrittlement and Mechanical Properties of NiTi Biomaterials. <i>Physics of Metals and Metallography</i> , 2019 , 120, 740-749	1.2	1
30	Micromechanical analysis of orientation dependency on deformation behavior in DP steels by dislocation density-based crystal plasticity simulation. <i>Mechanics of Materials</i> , 2019 , 134, 132-142	3.3	8
29	Promising effect of copper on the mechanical properties of transformation-induced plasticity steels. <i>Materials Science and Technology</i> , 2019 , 35, 1708-1716	1.5	2
28	Development of Ultrahigh Strength TRIP Steel Containing High Volume Fraction of Martensite and Study of the Microstructure and Tensile Behavior. <i>Transactions of the Indian Institute of Metals</i> , 2018 , 71, 1363-1370	1.2	6
27	Modulation of the mechanical, physical and chemical properties of polyvinylidene fluoride scaffold via non-solvent induced phase separation process for nerve tissue engineering applications. <i>European Polymer Journal</i> , 2018 , 104, 115-127	5.2	25
26	Strain hardening and micro-deformation behavior in advanced DP and TRIP steels: EBSD examinations and crystal plasticity simulations. <i>Materials Research Express</i> , 2018 , 5, 126507	1.7	
25	Development of a new dual phase steel with laminated microstructural morphology. <i>Materials Chemistry and Physics</i> , 2017 , 192, 1-7	4.4	13
24	Microstructure, Tensile Properties and Work Hardening Behavior of GTA-Welded Dual-Phase Steels. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 1414-1423	1.6	11
23	Examination of phase transformation kinetics during step quenching of dual phase steels. <i>Materials Chemistry and Physics</i> , 2017 , 187, 203-217	4.4	17
22	Extraordinary strength and ductility obtained in transformation-induced plasticity steel by slightly modifying its chemical composition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 702, 225-231	5.3	6
21	A novel and simple technique for development of dual phase steels with excellent ductility. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 680, 197-202	5.3	50
20	Correlation of Tensile Properties and Strain Hardening Behavior with Martensite Volume Fraction in Dual-Phase Steels. <i>Transactions of the Indian Institute of Metals</i> , 2017 , 70, 1575-1584	1.2	19
19	Micromechanical analysis of martensite distribution on strain localization in dual phase steels by scanning electron microscopy and crystal plasticity simulation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 670, 57-67	5.3	29
18	Examination and modeling of void growth kinetics in modern high strength dual phase steels during uniaxial tensile deformation. <i>Materials Chemistry and Physics</i> , 2016 , 172, 54-61	4.4	8

17	Failure analysis of carbon steel components in a water bath heater and the influence of ethylene glycol concentration. <i>Engineering Failure Analysis</i> , 2016 , 66, 533-543	3.2	3
16	Void coalescence and fracture behavior of notched and un-notched tensile tested specimens in fine grain dual phase steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 644, 210-217	5.3	15
15	EBSD study of micromechanisms involved in high deformation ability of DP steels. <i>Materials and Design</i> , 2015 , 87, 130-137	8.1	52
14	Influence of Bainite Morphology on Ductile Fracture Behavior in a 0.4C-CrMoNi Steel. <i>Steel Research International</i> , 2015 , 86, 528-535	1.6	1
13	EBSD Study of Damage Mechanisms in a High-Strength Ferrite-Martensite Dual-Phase Steel. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 53-58	1.6	21
12	Development of a New Ultrafine/Nano Ferrite-Carbide Microstructure by Thermomechanical Processing. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015 , 28, 249-253	2.5	7
11	Experimental study of pool boiling characteristic of an aluminized copper surface. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 85, 239-246	4.9	12
10	Correlation of Mechanical Properties with Fracture Surface Features in a Newly Developed Dual-Phase Steel. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 1573-1580	1.6	9
9	Evaluation of Fracture Micromechanisms in a Fine-Grained Dual Phase Steel during Uniaxial Tensile Deformation. <i>Steel Research International</i> , 2014 , 85, 1386-1392	1.6	25
8	Damage mechanism and modeling of void nucleation process in a ferrite/martensite dual phase steel. <i>Engineering Fracture Mechanics</i> , 2014 , 127, 97-103	4.2	32
7	Effects of initial microstructure and thermomechanical processing parameters on microstructures and mechanical properties of ultrafine grained dual phase steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 612, 54-62	5.3	31
6	Development of a new ultrafine grained dual phase steel and examination of the effect of grain size on tensile deformation behavior. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 599, 145-149	5.3	64
5	Microstructure Modelling of Dual-Phase Steel Using SEM Micrographs and Voronoi Polycrystal Models. <i>Metallography, Microstructure, and Analysis</i> , 2013 , 2, 156-169	1.1	26
4	Microstructure-Toughness Relationship in AISI4340 Steel. <i>Defect and Diffusion Forum</i> , 2011 , 312-315, 110-115	0.7	2
3	Impact properties of tempered bainite/ferrite dual phase steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 5575-5581	5.3	43
2	Comparison of mechanical properties of martensite/ferrite and bainite/ferrite dual phase 4340 steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 523, 125-129	5.3	85
1	Application of Artificial Neural Network to Estimate the Fatigue Life of Shot Peened Ti-6Al-4V ELI Alloy	411-417	