

Ahmed A Saleh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An in-situ electron backscattering diffraction and viscoplastic self-consistent study of OFHC copper subjected to uniaxial tension. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 819, 141184.	2.6	4
2	Phase-specific properties in a low-alloyed TRIP steel investigated using correlative nanoindentation measurements and electron microscopy. <i>Journal of Materials Science</i> , 2020, 55, 2578-2587.	1.7	11
3	Experimental and Self-Consistent Modeling Study of De-twinning in a Twinning-Induced Plasticity Steel. <i>Jom</i> , 2019, 71, 1396-1403.	0.9	3
4	Evolution of Microstructure During the In Situ Heating of 42% Cold-Rolled High Mn Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 562-572.	1.1	0
5	On the evolution and modelling of Cube texture during dynamic recrystallisation of Ni ₃₀ Fe-Nb-C model alloy. <i>Journal of Alloys and Compounds</i> , 2018, 748, 620-636.	2.8	13
6	Effect of Uniaxial Tension on the Microstructure and Texture of High Mn Steel. <i>Advanced Engineering Materials</i> , 2018, 20, 1800258.	1.6	6
7	Tetragonality of bcc Phases in a Transformation-Induced Plasticity Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 5925-5929.	1.1	2
8	Nucleation, coarsening and deformation accommodation mechanisms of μ -martensite in a high manganese steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 731, 506-519.	2.6	22
9	On the first direct observation of de-twinning in a twinning-induced plasticity steel. <i>Acta Materialia</i> , 2018, 156, 172-182.	3.8	30
10	Effect of isochronal annealing on the microstructure, texture and mechanical properties of a cold-rolled high manganese steel. <i>Materials Characterization</i> , 2018, 144, 66-76.	1.9	15
11	Transmission Kikuchi diffraction versus electron back-scattering diffraction: A case study on an electron transparent cross-section of TWIP steel. <i>Micron</i> , 2017, 103, 53-63.	1.1	8
12	Observation of deformation twinning and martensitic transformation during nanoindentation of a transformation-induced plasticity steel. <i>Scientific Reports</i> , 2017, 7, 17397.	1.6	9
13	Evidencing extrinsic stacking faults in twinning-induced plasticity steel. <i>Materials Characterization</i> , 2017, 123, 275-281.	1.9	16
14	On the feasibility of partial slip reversal and de-twinning during the cyclic loading of TWIP steel. <i>Materials Letters</i> , 2016, 182, 294-297.	1.3	7
15	Microstructure and micro-texture evolution during the dynamic recrystallisation of a Ni ₃₀ Fe-Nb-C model alloy. <i>Journal of Alloys and Compounds</i> , 2016, 689, 250-265.	2.8	12
16	Correcting intensity loss errors in the absence of texture-free reference samples during pole figure measurement. <i>Materials Characterization</i> , 2016, 118, 425-430.	1.9	4
17	A transmission Kikuchi diffraction study of cementite in a quenched and tempered steel. <i>Materials Characterization</i> , 2016, 114, 146-150.	1.9	12
18	A re-evaluation of the micromechanics of twinning in a TWIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 649, 184-189.	2.6	5

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19	A Transmission Kikuchi Diffraction Study of a Cold-Rolled and Annealed Fe-17Mn-2Si-3Al-1Ni-0.06C wt% Steel. Steel Research International, 2015, 86, 1204-1214.	1.0	18
20	An <i>in-situ</i> neutron diffraction study of a multi-phase transformation and twinning-induced plasticity steel during cyclic loading. Applied Physics Letters, 2015, 106, .	1.5	20
21	Self-Consistent Modeling of Texture Evolution in TWIP Steel During Uniaxial Tension. Steel Research International, 2014, 85, 1120-1127.	1.0	4
22	On the evolution and modelling of brass-type texture in cold-rolled twinning-induced plasticity steel. Acta Materialia, 2014, 70, 259-271.	3.8	66
23	Recrystallisation in a cold drawn low cost beta titanium alloy during rapid resistance heating. Journal of Alloys and Compounds, 2014, 585, 245-259.	2.8	29
24	Self-consistent modelling of lattice strains during the in-situ tensile loading of twinning induced plasticity steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 589, 66-75.	2.6	17
25	EBSD Observations of Recrystallisation and Tensile Deformation in Twinning Induced Plasticity Steel. Transactions of the Indian Institute of Metals, 2013, 66, 621-629.	0.7	14
26	On the evolution and modelling of lattice strains during the cyclic loading of TWIP steel. Acta Materialia, 2013, 61, 5247-5262.	3.8	40
27	Microstructure and texture evolution in a twinning-induced-plasticity steel during uniaxial tension. Acta Materialia, 2013, 61, 2671-2691.	3.8	88
28	On the feasibility of twinning nucleation via extrinsic faulting in twinning-induced plasticity steel. Scripta Materialia, 2013, 68, 436-439.	2.6	19
29	Microtexture analysis of cold-rolled and annealed twinning-induced plasticity steel. Scripta Materialia, 2011, 65, 560-563.	2.6	29
30	Effect of annealing on the microstructure and mechanical properties of cold rolled Fe-24Mn-3Al-2Si-1Ni-0.06C TWIP steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3545-3555.		77
31	Texture evolution of cold rolled and annealed Fe-24Mn-3Al-2Si-1Ni-0.06C TWIP steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4537-4549.	2.6	113
32	Texture Evolution during Recrystallisation of Cold Rolled TWIP Steel. Materials Science Forum, 0, 702-703, 647-650.	0.3	0
33	Evolution of Microstructure and Mechanical Properties during Annealing of Cold Rolled Fe-24Mn-3Al-2Si-1Ni-0.06C Twip Steel. Advanced Materials Research, 0, 409, 719-724.	0.3	2
34	Self-Consistent Modelling of TWIP Steel during Uniaxial Tensile Loading. Materials Science Forum, 0, 783-786, 732-737.	0.3	0