Dan Eliezer

List of Publications by Year
in descending order

177 papers	5,360 citations	108046 37 h-index	116156 66 g-index
177 all docs	177 docs citations	177 times ranked	3870 citing authors

#	Article	IF	Citations
1	Corrosion behavior of AM-Ti-6Al-4V: a comparison between EBM and SLM. Progress in Additive Manufacturing, 2022, 7, 509-520.	2.5	8
2	Synthesis of Refractory High-Entropy Alloy WTaMoNbV by Powder Bed Fusion Process Using Mixed Elemental Alloying Powder. Materials, 2022, 15, 4043.	1.3	16
3	Hydrogen trapping in additive manufactured Tiâ€“6Alâ€“4V alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 811, 141050.	2.6	23
4	Hydrogen embrittlement of electron beam melted Tiâ€“6Alâ€“4V. Journal of Materials Research and Technology, 2020, 9, 16126-16134.	2.6	16
5	Aging condition and trapped hydrogen effects on the mechanical behavior of a precipitation hardened martensitic stainless steel. Journal of Alloys and Compounds, 2019, 805, 509-516.	2.8	16
6	Role of Sn in microstructure and corrosion behavior of new wrought Mg-5Al alloy. Journal of Alloys and Compounds, 2019, 777, 835-849.	2.8	27
7	Hydrogen trapping in alloys studied by thermal desorption spectrometry. Journal of Alloys and Compounds, 2018, 747, 511-522.	2.8	46
8	Dynamic deformation of hydrogen charged austenitic-ferritic steels: Hydrogen trapping mechanisms, and simulations. Journal of Alloys and Compounds, 2018, 731, 1238-1246.	2.8	12
9	Metallurgical and Hydrogen Effects on the Small Punch Tested Mechanical Properties of PH-13-8Mo Stainless Steel. Materials, 2018, 11, 1966.	1.3	8
10	Recent Studies of Hydrogen Embrittlement in Structural Materials. Procedia Structural Integrity, 2018, 13, 2233-2238.	0.3	7
11	Hydrogen trapping in 3D-printed (additive manufactured) Ti-6Al-4V. Materials Characterization, 2018, 144, 297-304.	1.9	34
12	Mechanisms of hydrogen trapping in austenitic, duplex, and super martensitic stainless steels. Journal of Alloys and Compounds, 2017, 720, 451-459.	2.8	47
13	Hydrogen Effect on Duplex Stainless Steels at Very High Strain Rates. Energy Procedia, 2017, 107, 199-204.	1.8	13
14	Effects of residual stresses on hydrogen trapping in duplex stainless steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 64-70.	2.6	17
15	Novel approach to image hydrogen distribution and related phase transformation in duplex stainless steels at the sub-micron scale. International Journal of Hydrogen Energy, 2017, 42, 25114-25120.	3.8	18
16	Hydrogen behavior in SAF 2205 duplex stainless steel. Journal of Alloys and Compounds, 2017, 695, 2689-2695.	2.8	33
17	Influences of hydrogen and textural anisotropy on the microstructure and mechanical properties of duplex stainless steel at high strain rate (~105Âsâ^'1). Journal of Materials Science, 2016, 51, 10442-10451.	1.7	9
18	Hydrogen trapping energy levels and hydrogen diffusion at high and low strain rates (~105sâ^'1 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Properties, Microstructure and Processing, 2016, 674, 419-427.	2.6	17

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19	Time-of-Flight Secondary Ion Mass Spectrometry (ToF-SIMS) imaging of deuterium assisted cracking in a 2205 duplex stainless steel micro-structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 676, 271-277.	2.6	25
20	Hydrogen trapping mechanism of different duplex stainless steels alloys. Journal of Alloys and Compounds, 2015, 644, 280-286.	2.8	49
21	Evaluation of hydrogen trapping mechanisms during performance of different hydrogen fugacity in a lean duplex stainless steel. Journal of Alloys and Compounds, 2015, 648, 601-608.	2.8	33
22	Influence of hydrogen on microstructure and dynamic strength of lean duplex stainless steel. Journal of Materials Science, 2014, 49, 4025-4031.	1.7	23
23	Corrosion behavior of wrought Mgâ€“6%Znâ€“1%Mnâ€“XSiâ€“YCa alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 516-521.	0.8	9
24	Study of dislocation walls evolution during spall in pure aluminum. AIP Conference Proceedings, 2012, , .	0.3	3
25	Effect of compression deformation on the microstructure and corrosion behavior of magnesium alloys. Journal of Alloys and Compounds, 2012, 528, 84-90.	2.8	34
26	In situ synchrotron X-ray radiation analysis of hydrogen behavior in stainless steel subjected to continuous heating. Journal of Materials Science, 2012, 47, 5879-5885.	1.7	3
27	Corrosion and corrosion-fatigue of AZ31 Magnesium weldments. Welding in the World, Le Soudage Dans Le Monde, 2011, 55, 40-47.	1.3	4
28	In situ analysis of hydrogen behaviour in stainless steels by high energy synchrotron radiation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 1608-1614.	2.6	12
29	The Influence of Hydrogen on Thermal Desorption Processes in Structural Materials. Procedia Engineering, 2011, 10, 3668-3676.	1.2	17
30	Pressure Resistance of Glass Capillaries for Hydrogen Storage. Materialpruefung/Materials Testing, 2011, 53, 14-18.	0.8	6
31	The influence of Ca on the corrosion behavior of new die cast Mgâ€“Al-based alloys for elevated temperature applications. Journal of Materials Science, 2010, 45, 3007-3015.	1.7	20
32	Dynamic fracture and spall in aluminum with helium bubbles. International Journal of Fracture, 2010, 163, 217-224.	1.1	29
33	Nanoindentation measurements and mechanical testing of as-soldered and aged Snâ€“0.7Cu lead-free miniature joints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4014-4020.	2.6	11
34	Performance of hydrogen trapping and phase transformation in hydrogenated duplex stainless steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4851-4857.	2.6	50
35	Effect of cathodic charging on Al-32Si-2Cu alloy in acidic solution. Materials Research, 2010, 13, 361-367.	0.6	4
36	Galvanic Weld Metal-Base Metal Corrosion in AZ31 Magnesium Weldments. Advanced Materials Research, 2010, 95, 39-42.	0.3	2

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37	Electrochemical hydrogenation and corrosion studies of Tiâ€48Alâ€2Crâ€2Nb alloy in acidic solution. Anti-Corrosion Methods and Materials, 2010, 57, 280-289.	0.6	2
38	Some particularities of the corrosion behaviour of Mgâ€“Znâ€“Mnâ€“Siâ€“Ca alloys in alkaline chloride solutions. Corrosion Science, 2010, 52, 2280-2290.	3.0	25
39	Effects of Shielding with Various Hydrogen-Argon Mixtures on Supermartensitic Stainless Steel TIG Welds. Materialpruefung/Materials Testing, 2010, 52, 306-315.	0.8	3
40	Dynamic fracture and spall in aluminum with helium bubbles. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2010, , 471-478.	0.1	0
41	Advanced Production Process and Properties of Die Cast Magnesium Composites Based on AZ91D and SiC. Journal of Materials Engineering and Performance, 2009, 18, 886-892.	1.2	11
42	Helium bubbles formation in aluminum: Bulk diffusion and near-surface diffusion using TEM observations. Journal of Nuclear Materials, 2009, 392, 413-419.	1.3	23
43	Experimental investigation of helium migration in an fcc aluminum matrix. Journal of Nuclear Materials, 2009, 393, 230-234.	1.3	10
44	The role of Ca microalloying on the microstructure and corrosion behavior of Mgâ€“6Znâ€“Mnâ€“(0.5â€“2)Si alloys. Corrosion Science, 2009, 51, 776-784.	3.0	40
45	The effect of heat treatment and HCF performance on hydrogen trapping mechanism in Timetal LCB alloy. Journal of Alloys and Compounds, 2009, 468, 77-86.	2.8	14
46	The relation between severe plastic deformation microstructure and corrosion behavior of AZ31 magnesium alloy. Journal of Alloys and Compounds, 2009, 468, 222-229.	2.8	380
47	IMPACT EXPERIMENTS WITH ALUMINUM-HELIUM BUBBLES TARGETS. , 2009, , .		0
48	The role of Mg2Si on the corrosion behavior of wrought Mgâ€“Znâ€“Mn alloy. Intermetallics, 2008, 16, 860-867.	1.8	63
49	Stress corrosion cracking of new Mgâ€“Znâ€“Mn wrought alloys containing Si. Corrosion Science, 2008, 50, 1505-1517.	3.0	44
50	The relation between microstructure and corrosion behavior of AZ80 Mg alloy following different extrusion temperatures. Corrosion Science, 2008, 50, 1766-1778.	3.0	204
51	Effect of Grain Size on Necklace Formation of Magnesium Alloys. Materials Science Forum, 2007, 546-549, 233-236.	0.3	3
52	High Fugacity Hydrogen Effects in Beta-21S Titanium Alloy. Materials Science Forum, 2007, 546-549, 1355-1360.	0.3	0
53	Hydrogen Behavior in GTA Welded Ti-6Al-4V and Beta-21S Aerospace Applicative Titanium Alloys. Materials Science Forum, 2007, 546-549, 1413-1420.	0.3	5
54	Hydrogen's Absorption/Desorption Behavior in Gaseous-Phase Charged Duplex-Annealed Ti-6Al-4V Alloy. Materials Science Forum, 2007, 546-549, 1367-1372.	0.3	1

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55	The relation between microstructure and corrosion behavior of Mgâ€“Yâ€“REâ€“Zr alloys. Journal of Alloys and Compounds, 2007, 431, 269-276.	2.8	134
56	Investigation of hydrogen-deformation interactions in Î²-21S titanium alloy using thermal desorption spectroscopy. Journal of Alloys and Compounds, 2007, 440, 204-209.	2.8	20
57	The role of Si and Ca on new wrought Mgâ€“Znâ€“Mn based alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 447, 35-43.	2.6	111
58	Thermal desorption spectroscopy (TDS)â€”Application in quantitative study of hydrogen evolution and trapping in crystalline and non-crystalline materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 445-446, 625-631.	2.6	68
59	The relation between microstructure and corrosion behavior of GTA welded AZ31B magnesium sheet. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 452-453, 210-218.	2.6	46
60	Hydrogen trapping in Î²-21S titanium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 421, 200-207.	2.6	41
61	Hydrogen absorption and desorption in a duplex-annealed Tiâ€“6Alâ€“4V alloy during exposure to different hydrogen-containing environments. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 433, 298-304.	2.6	45
62	Microstructure and corrosion behavior of Mgâ€“Znâ€“Ag alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 435-436, 579-587.	2.6	63
63	Corrosion and oxidation of alloys of the Mg-Y-Zr-REM system. Metal Science and Heat Treatment, 2006, 48, 518-523.	0.2	9
64	Microstructure and corrosion resistance of alloys of the Mg-Zn-Ag system. Metal Science and Heat Treatment, 2006, 48, 524-530.	0.2	4
65	Influence of Si, Ca and Ag addition on corrosion behaviour of new wrought Mgâ€“Zn alloys. Materials Science and Technology, 2006, 22, 1213-1218.	0.8	14
66	A Sulfur Diffusion Investigation in Metal and Oxide Phases. Defect and Diffusion Forum, 2006, 258-260, 433-440.	0.4	2
67	Comparative study of deuterium desorption from Pd-coated Zr-based amorphous and quasicrystalline alloys. Scripta Materialia, 2005, 52, 777-783.	2.6	7
68	The hydrogen embrittlement of titanium-based alloys. Jom, 2005, 57, 46-49.	0.9	112
69	Embrittlement of secondary Hydrogen-containing phases in Titanium-based alloys. Glass Physics and Chemistry, 2005, 31, 96-101.	0.2	9
70	Corrosion of New Wrought Magnesium Alloys. Materials Science Forum, 2005, 488-489, 839-844.	0.3	11
71	Addition of B₄C to AZ91 via Diecasting and Its Effect on Wear Behaviour. Materials Science Forum, 2005, 488-489, 741-744.	0.3	9
72	High fugacity hydrogen effects at room temperature in titanium based alloys. Journal of Alloys and Compounds, 2005, 404-406, 613-616.	2.8	28

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73	Hydrogen cracking in titanium-based alloys. Journal of Alloys and Compounds, 2005, 404-406, 621-625.	2.8	53
74	Nanoparticles and nanotubes induced by femtosecond lasers. Laser and Particle Beams, 2005, 23, .	0.4	27
75	The effects of low fugacity hydrogen in duplex- and beta-annealed Tiâ€“6Alâ€“4V alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 381, 230-236.	2.6	41
76	Hydrogen-Assisted Degradation of Titanium Based Alloys. Materials Transactions, 2004, 45, 1594-1600.	0.4	88
77	Mutual effects of hydrogenation and deformation in Ti-Nb alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 2199-2206.	1.1	7
78	Absorption/desorption behavior of hydrogen and deuterium in a Pd-coated Zr-based amorphous alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 358, 219-225.	2.6	16
79	Hydrogenation of Pd-coated Zrâ€“Cuâ€“Niâ€“Al metallic glasses and quasicrystals. Journal of Alloys and Compounds, 2003, 356-357, 654-657.	2.8	19
80	Positive effects of hydrogen on the plasticity of 2 1/4 Crâ€“1Mo steel. Journal of Alloys and Compounds, 2003, 356-357, 809-812.	2.8	5
81	The Art of Developing New Magnesium Alloys for High Temperature Applications. Materials Science Forum, 2003, 419-422, 407-418.	0.3	37
82	Influence of hydrogenation on the microstructure and crystallization of Zr-Cu-Ni-Al-Y metallic glass. Philosophical Magazine, 2003, 83, 2545-2556.	0.7	0
83	Effect of Second Phases on the Corrosion Behavior of Magnesium Alloys. Materials Science Forum, 2003, 419-422, 857-866.	0.3	44
84	Microstructure and Mechanical Properties of Mg-Zn-Ag Alloys. Materials Science Forum, 2003, 419-422, 159-164.	0.3	38
85	Oxidation of Glassy and Nanocrystalline Zr₇₀Pd₃₀ Alloys. Materials Science Forum, 2002, 386-388, 627-632.	0.3	9
86	Oxidation of Glassy and Nanocrystalline Zr₇₀Pd₃₀ Alloys. Journal of Metastable and Nanocrystalline Materials, 2002, 13, 627-632.	0.1	0
87	Laser-induced tension to measure the ultimate strength of metals related to the equation of state. Laser and Particle Beams, 2002, 20, 87-92.	0.4	36
88	Characteristics of hydrogen embrittlement, stress corrosion cracking and tempered martensite embrittlement in high-strength steels. Engineering Failure Analysis, 2002, 9, 167-184.	1.8	203
89	Microstructure and creep properties of a cast Mg-1.7%wt rare earth-0.3%wt Mn alloy. Journal of Materials Science, 2002, 37, 5371-5379.	1.7	22
90	Environmental Behavior of Magnesium and Magnesium Alloysd. Materials Technology, 2001, 16, 110-126.	1.5	41

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91	Unusual Behavior of Magnesium and ZM Anodes in Aqueous Electrolytes at High Concentrations. Corrosion, 2001, 57, 334-345.	0.5	2
92	The role of the magnesium industry in protecting the environment. Journal of Materials Processing Technology, 2001, 117, 381-385.	3.1	365
93	The effect of manufacturing processes on the fatigue lifetime of aeronautical bolts. Engineering Failure Analysis, 2001, 8, 227-235.	1.8	30
94	Electron microscopical investigation of as cast AZ91D alloy. Materials Science and Technology, 2000, 16, 1001-1006.	0.8	34
95	Hydrogen-assisted processing of materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 289, 41-53.	2.6	86
96	Influence of hydrogen on formation and stability of Zr-based quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 112-115.	2.6	16
97	Positive effects of hydrogen in metals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 280, 220-224.	2.6	135
98	Hydrogen effects on the spall strength and fracture characteristics of amorphous Fe-Si-B alloy at very high strain rates. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2000, 31, 1085-1093.	1.1	15
99	Hydrogen effects on an amorphous Fe-Si-B alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2000, 31, 2517-2526.	1.1	24
100	Experimental measurements of the strength of metals approaching the theoretical limit predicted by the equation of state. Applied Physics Letters, 2000, 76, 1555-1557.	1.5	85
101	Hydrogen evolution from Zr-based amorphous and quasicrystalline alloys. Journal of Alloys and Compounds, 2000, 305, 272-281.	2.8	34
102	Measurements of laser driven spallation in tin and zinc using an optical recording velocity interferometer system. Journal of Applied Physics, 1999, 86, 4242-4248.	1.1	31
103	A new model for the diffusion behavior of hydrogen in metallic glasses. Acta Materialia, 1999, 47, 2981-2989.	3.8	24
104	An Overview of Hydrogen Interaction with Amorphous Alloys. Materials Technology, 1999, 6, 5-31.	0.3	84
105	Hydrogen induced microstructural changes in Al-Ti alloys. Scripta Materialia, 1999, 40, 1071-1077.	2.6	8
106	Non-Arrhenius behavior of the diffusion coefficient of hydrogen in amorphous metals. Materials Letters, 1999, 39, 255-259.	1.3	9
107	Hydrogenation of Zr-based metallic glasses and quasicrystals. Journal of Non-Crystalline Solids, 1999, 250-252, 893-897.	1.5	45
108	Magnesium Science, Technology and Applications. Materials Technology, 1998, 5, 201-212.	0.3	252

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109	Hardening and phase stability in rapidly solidified Alâ€“Feâ€“Ce alloys. Journal of Materials Science, 1998, 33, 833-837.	1.7	10
110	The science, technology, and applications of magnesium. Jom, 1998, 50, 30-34.	0.9	264
111	An increase of the spall strength in aluminum, copper, and Metglas at strain rates larger than 107â€‰sâ^'1. Journal of Applied Physics, 1998, 83, 4004-4011.	1.1	112
112	Hydrogen effects in gamma titanium aluminides. Journal of Materials Science, 1997, 32, 2229-2232.	1.7	4
113	On the blister formation in copper alloys due to the helium ion implantation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 755-762.	1.1	7
114	He bubble sites in implanted copper alloy. Scripta Materialia, 1996, 34, 1851-1856.	2.6	1
115	The mechanochemical behavior of type 316L stainless steel. Corrosion Science, 1996, 38, 1141-1145.	3.0	87
116	Structural changes in a copper alloy due to helium implantation. Scripta Materialia, 1996, 35, 1385-1389.	2.6	6
117	The applicability of Norton's creep power law and its modified version to a single-crystal superalloy type CMSX-2. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 216, 125-130.	2.6	31
118	The controlling effect of 0.05% hydrogen sulfide gaseous atmosphere on the accelerated fatigue failure of coated MM-002 nickel-base superalloy at 650 Â°C. Journal of Materials Science, 1996, 31, 2735-2740.	1.7	2
119	Hydrogen-induced cracking in an Al-Al3Ti-Al4C3 alloy. Scripta Metallurgica Et Materialia, 1995, 33, 1315-1320.	1.0	9
120	DETERMINATION OF STRUCTURE AND COMPOSITION IN CERAMICS AND AEROSPACE MATERIALS BY NEUTRON RADIOGRAPHY. Nondestructive Testing and Evaluation, 1994, 11, 149-153.	1.1	3
121	Phase relation in titanium-aluminide alloy ? an X-ray study. Journal of Materials Science, 1994, 29, 373-375.	1.7	5
122	Sputtering and roughness of the (0 01), (01 1) and (111) copper single-crystal planes. Journal of Materials Science Letters, 1994, 13, 1591-1593.	0.5	5
123	The formation of hydrogen induced blisters and their growth in nickel pre-implaned with helium. Journal of Nuclear Materials, 1994, 217, 287-293.	1.3	6
124	Surface behaviour of first-wall materials due to the synergistic effect of helium and hydrogen isotopes. Journal of Nuclear Materials, 1994, 212-215, 1390-1395.	1.3	5
125	Hydrogen trapping in nickel pre-implanted with helium. Journal of Nuclear Materials, 1994, 212-215, 1406-1410.	1.3	7
126	Gas trapping and release in polycrystalline nickel preimplanted with helium. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1994, 25, 949-959.	1.1	15

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127	Channelling effect on helium implantation behavior in copper single crystal. Scripta Metallurgica Et Materialia, 1992, 26, 277-282.	1.0	8
128	Phase formation in alpha 2 titanium aluminide during hydrogen cathodic charging. Scripta Metallurgica Et Materialia, 1992, 27, 845-850.	1.0	10
129	A study of the influence of near-surface He concentration on the blistering formation in CuBe. Scripta Metallurgica Et Materialia, 1992, 27, 1039-1044.	1.0	3
130	X-ray analysis of nickel pre-implanted with helium by using CuKÎ² radiation. Scripta Metallurgica Et Materialia, 1992, 26, 981-985.	1.0	2
131	Hydrogen trapping in helium damaged metals: a theoretical approach. Journal of Materials Science, 1992, 27, 2595-2598.	1.7	28
132	Hydrogen effects in (Alî—¸Ti)î—¸SiC particle metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 159, 237-242.	2.6	2
133	Production, Characteristics, and Commercialization of Titanium Aluminides.. ISIJ International, 1991, 31, 1235-1248.	0.6	56
134	The effects of hydrogen on titanium aluminides. Jom, 1991, 43, 59-62.	0.9	10
135	The effect of elevated-temperature reverse cyclic loading on fracture toughness of aluminium alloy type 2618. Journal of Materials Science, 1991, 26, 2045-2049.	1.7	3
136	Phase transitions in rapidly solidified stainless steels cathodically hydrogen charged. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 1251-1259.	1.4	3
137	Microstructure and thermal stability of a rapidly solidified Al-4Er alloy. Journal of Materials Science, 1990, 25, 3541-3545.	1.7	13
138	A 3-dimensional calculation of hydrogen trapping in helium contained metals. Scripta Metallurgica Et Materialia, 1990, 24, 1387-1392.	1.0	7
139	Hydrogen effects in titanium-aluminide alloy stabilized by Nb, V, and Mo. Scripta Metallurgica Et Materialia, 1990, 24, 129-134.	1.0	19
140	Behavior of sensitized AlSl types 321 and 347 austenitic stainless steels in hydrogen. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1989, 20, 2187-2190.	1.4	4
141	A TEM study of a rapidly solidified Al-4La alloy. Journal of Materials Science Letters, 1989, 8, 725-726.	0.5	7
142	Phase transitions at the crack tip in titanium-modified type 316 stainless steel cathodically hydrogen charged. Journal of Materials Science, 1989, 24, 1931-1935.	1.7	2
143	Microstructural transitions in an RS Al-4La alloy. Journal of Materials Science, 1989, 24, 1474-1478.	1.7	11
144	Oxidation behaviour of rapidly solidified aluminium-rare-earth alloys. Journal of Materials Science Letters, 1989, 8, 178-182.	0.5	4

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145	Hydrogen effects in Ti3Alî—¸Nb alloy. Scripta Metallurgica, 1989, 23, 1313-1318.	1.2	37
146	Effects of heat treatment on the corrosion behaviour of rapidly solidified Al-Er alloys in NaCl solution. Journal of Materials Science Letters, 1988, 7, 76-78.	0.5	6
147	Trapping of hydrogen in helium-implanted metals. Journal of Materials Science Letters, 1988, 7, 108-110.	0.5	28
148	Nature of the Î³ and Î³âˆ— phases in austenitic stainless steels cathodically charged with hydrogen. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1988, 19, 723-730.	1.4	15
149	Hydrogen induced phase transitions of sensitized titanium-modified type-316 stainless steel. Scripta Metallurgica, 1988, 22, 1415-1419.	1.2	1
150	Phase transitions at the crack tip in type 310 stainless steel cathodically hydrogen charged. Scripta Metallurgica, 1988, 22, 1493-1498.	1.2	1
151	The effect of constant-load creep on fracture toughness and tensile behavior of precipitation-free zone aluminum alloy type 2618. Scripta Metallurgica, 1988, 22, 1503-1508.	1.2	1
152	Corrosion behaviour of rapidly solidified Al-Er binary and ternary alloys in NaCl solution at room temperature. Journal of Materials Science Letters, 1987, 6, 1227-1228.	0.5	28
153	Phase changes related to hydrogen-induced cracking in austenitic stainless steel. Acta Metallurgica, 1987, 35, 2329-2340.	2.1	72
154	Microstructural observations and thermal stability of a rapidly solidified aluminum-gadolinium alloy. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1987, 18, 1533-1536.	1.4	12
155	Streaking effects arising from hydrogen-induced Ïµ martensite phase in stainless steel. Materials Science and Engineering, 1986, 83, 269-279.	0.1	5
156	Precipitation behaviour of a sensitized AISI type 316 austenitic stainless steel in hydrogen. Journal of Materials Science, 1986, 21, 3065-3070.	1.7	11
157	MÃ¶ssbauer study of rapidly solidified Al-rare-earth alloys. Journal of Materials Science Letters, 1986, 5, 781-782.	0.5	2
158	Quantitative X-ray phase analysis of sensitized type 316 stainless steel after cathodic hydrogen charging. Materials Science and Engineering, 1984, 67, L1-L4.	0.1	10
159	Quantitative X-ray phase analysis of surface layers. Journal of Applied Crystallography, 1984, 17, 18-21.	1.9	11
160	Tensile flow and fracture behaviour of austenitic stainless steels after thermal aging in a hydrogen atmosphere. Materials Science and Engineering, 1984, 67, 91-107.	0.1	14
161	Internal stresses in austenitic steels cathodically charged with hydrogen. Journal of Materials Science Letters, 1983, 2, 63-66.	0.5	21
162	Hydrogen induced delay failure of AISI 316L and 321 types stainless steels. Journal of Materials Science Letters, 1983, 2, 602-604.	0.5	1

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163	NMR study of hydrogen in cathodically charged Inconel 718. Journal of Nuclear Materials, 1983, 119, 73-77.	1.3	1
164	The stress corrosion cracking of welded austenitic stainless steels in MgCl2 solutions in the presence of NaI additions. Corrosion Science, 1983, 23, 1285-1291.	3.0	2
165	Phase transitions at the crack tip in type 316L stainless steel cathodically hydrogen charged. Scripta Metallurgica, 1982, 16, 981-984.	1.2	18
166	TEM study on the formation of microcracks in connection with ??-martensite. Journal of Materials Science Letters, 1982, 1, 192-194.	0.5	15
167	The influence of hydrogen on the plastic flow and fracture behavior of 316L stainless steel. Scripta Metallurgica, 1981, 15, 861-866.	1.2	9
168	The influence of alkali-halide additions on the stress corrosion cracking of an austenitic stainless steel in MgCl2 solution. Corrosion Science, 1981, 21, 417-423.	3.0	5
169	Hydrogen Attack of 1020 Steel: Influence of Hydrogen Sulfide. Corrosion, 1979, 35, 17-21.	0.5	6
170	MÃ¶ssbauer study of Î· phase in Feâ"Ge binary system. Applied Physics Letters, 1975, 26, 340-341.	1.5	4
171	The mechanical properties of anodic tantalum oxide films. Thin Solid Films, 1972, 12, 319-323.	0.8	8
172	The mechanical properties of anodically formed aluminium oxide films. Materials Research Bulletin, 1971, 6, 153-162.	2.7	12
173	Studies on the Influence of Chloride Ion Concentration on the Corrosion Behavior of ZSMX Magnesium Alloy. Advanced Materials Research, 0, 95, 47-50.	0.3	1
174	Microstructure of Ti-45Al-5Nb after Cathodic Charging. Advanced Materials Research, 0, 95, 87-90.	0.3	0
175	The Relation between Microstructure and Corrosion Behavior of New Mg-Al-X Alloys for Transportation Application. Advanced Materials Research, 0, 95, 43-46.	0.3	0
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