

Noam Eliaz

List of Publications by Year in descending order

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170
papers

8,295
citations

57752

44
h-index

53222

85
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171
all docs

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docs citations

171
times ranked

7512
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium Phosphate Bioceramics: A Review of Their History, Structure, Properties, Coating Technologies and Biomedical Applications. <i>Materials</i> , 2017, 10, 334.	2.9	703
2	Hot corrosion in gas turbine components. <i>Engineering Failure Analysis</i> , 2002, 9, 31-43.	4.0	537
3	Corrosion of Metallic Biomaterials: A Review. <i>Materials</i> , 2019, 12, 407.	2.9	497
4	Advances in Polyimide-Based Materials for Space Applications. <i>Advanced Materials</i> , 2019, 31, e1807738.	21.0	375
5	Directed energy deposition (DED) additive manufacturing: Physical characteristics, defects, challenges and applications. <i>Materials Today</i> , 2021, 49, 271-295.	14.2	351
6	Synthesis of nanoparticles with femtosecond laser pulses. <i>Physical Review B</i> , 2004, 69, .	3.2	230
7	Characteristics of hydrogen embrittlement, stress corrosion cracking and tempered martensite embrittlement in high-strength steels. <i>Engineering Failure Analysis</i> , 2002, 9, 167-184.	4.0	203
8	Early bone apposition in vivo on plasma-sprayed and electrochemically deposited hydroxyapatite coatings on titanium alloy. <i>Biomaterials</i> , 2006, 27, 4192-4203.	11.4	193
9	Synthesis and characterization of nickel tungsten alloys by electrodeposition. <i>Electrochimica Acta</i> , 2005, 50, 2893-2904.	5.2	184
10	Fracture of Cementless Femoral Stems at the Mid-Stem Junction in Modular Revision Hip Arthroplasty Systems. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 57-65.	3.0	159
11	Electrochemical processes of nucleation and growth of hydroxyapatite on titanium supported by real-time electrochemical atomic force microscopy. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 621-634.	4.0	146
12	Electrochemical and electrophoretic deposition of hydroxyapatite for orthopaedic applications. <i>Surface Engineering</i> , 2005, 21, 238-242.	2.2	137
13	Positive effects of hydrogen in metals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 280, 220-224.	5.6	135
14	Electroplating and characterization of Zn-Ni, Zn-Co and Zn-Ni-Co alloys. <i>Surface and Coatings Technology</i> , 2010, 205, 1969-1978.	4.8	133
15	Electrodeposition of Zn-Ni, Zn-Fe and Zn-Ni-Fe alloys. <i>Surface and Coatings Technology</i> , 2010, 205, 2031-2041.	4.8	132
16	Electrocrystallization of Hydroxyapatite and Its Dependence on Solution Conditions. <i>Crystal Growth and Design</i> , 2008, 8, 3965-3977.	3.0	120
17	The effect of surface treatment on the surface texture and contact angle of electrochemically deposited hydroxyapatite coating and on its interaction with bone-forming cells. <i>Acta Biomaterialia</i> , 2009, 5, 3178-3191.	8.3	116
18	An increase of the spall strength in aluminum, copper, and Metglas at strain rates larger than 10^7 s ⁻¹ . <i>Journal of Applied Physics</i> , 1998, 83, 4004-4011.	2.5	112

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19	Erosion of POSS-polyimide films under hypervelocity impact and atomic oxygen: The role of mechanical properties at elevated temperatures. <i>Acta Materialia</i> , 2009, 57, 1112-1119.	7.9	108
20	Induced Codeposition of Alloys of Tungsten, Molybdenum and Rhenium with Transition Metals. , 2008, , 191-301.		104
21	Enhanced osseointegration of grit-blasted, NaOH-treated and electrochemically hydroxyapatite-coated Ti6Al4V implants in rabbits. <i>Acta Biomaterialia</i> , 2009, 5, 2258-2269.	8.3	100
22	Alloy design via additive manufacturing: Advantages, challenges, applications and perspectives. <i>Materials Today</i> , 2022, 52, 207-224.	14.2	88
23	Synthesis, coating, and drug-release of hydroxyapatite nanoparticles loaded with antibiotics. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7819-7830.	5.8	87
24	Hydrogen-assisted processing of materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 289, 41-53.	5.6	86
25	An Overview of Hydrogen Interaction with Amorphous Alloys. <i>Materials Technology</i> , 1999, 6, 5-31.	0.3	84
26	Electrodeposition of rhenium-nickel alloys from aqueous solutions. <i>Electrochimica Acta</i> , 2009, 54, 6028-6035.	5.2	83
27	Laser-based directed energy deposition (DED-LB) of advanced materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 840, 142967.	5.6	82
28	Corrosion Behavior of Nickel-Based Alloys in Supercritical Water Oxidation Systems. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 4689-4696.	3.7	79
29	Thin Film Oxide Barrier Layers: Protection of Kapton from Space Environment by Liquid Phase Deposition of Titanium Oxide. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1835-1843.	8.0	69
30	TriSilanolPhenyl POSS-polyimide nanocomposites: Structure-properties relationship. <i>Composites Science and Technology</i> , 2009, 69, 2178-2184.	7.8	64
31	The effect of surface treatments on the adhesion of electrochemically deposited hydroxyapatite coating to titanium and on its interaction with cells and bacteria. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1741-1752.	3.6	57
32	Wear rate evaluation of a novel polycarbonate-urethane cushion form bearing for artificial hip joints. <i>Acta Biomaterialia</i> , 2010, 6, 4698-4707.	8.3	56
33	Preparation and Characterization of Alkylphosphonic Acid Self-Assembled Monolayers on Titanium Alloy by Chemisorption and Electrochemical Deposition. <i>Langmuir</i> , 2014, 30, 6791-6799.	3.5	56
34	POSS-Polyimide Nanocomposite Films: Simulated Hypervelocity Space Debris and Atomic Oxygen Effects. <i>High Performance Polymers</i> , 2008, 20, 475-491.	1.8	55
35	Corrosion behavior of advanced titanium-based alloys made by three-dimensional printing (3DPTM) for biomedical applications. <i>Corrosion Science</i> , 2001, 43, 1781-1791.	6.6	54
36	Residual stress effect on degradation of polyimide under simulated hypervelocity space debris and atomic oxygen. <i>Polymer</i> , 2007, 48, 19-24.	3.8	54

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37	Assisted deposition of nano-hydroxyapatite onto exfoliated carbon nanotube oxide scaffolds. <i>Nanoscale</i> , 2015, 7, 10218-10232.	5.6	54
38	Electrochemically Driven Hydroxyapatite Nanoparticles Coating of Medical Implants. <i>Advanced Functional Materials</i> , 2016, 26, 8003-8010.	14.9	53
39	Directed energy deposition of Al 5xxx alloy using Laser Engineered Net Shaping (LENS [®]). <i>Materials and Design</i> , 2020, 192, 108763.	7.0	52
40	Electrophoretic Deposition of Hydroxyapatite Coatings and Corrosion Aspects of Metallic Implants. <i>Corrosion Reviews</i> , 2002, 20, 255-294.	2.0	48
41	The relation between aging temperature, microstructure evolution and hardening of Custom 465 [®] stainless steel. <i>Materials Characterization</i> , 2017, 127, 129-136.	4.4	48
42	Electrochemical processes of nucleation and growth of calcium phosphate on titanium supported by real-time quartz crystal microbalance measurements and X-ray photoelectron spectroscopy analysis. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 270-280.	4.0	47
43	Electroplating of Ni ₄ W. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, C58.	2.2	46
44	Hydrogenation of Zr-based metallic glasses and quasicrystals. <i>Journal of Non-Crystalline Solids</i> , 1999, 250-252, 893-897.	3.1	45
45	Electrodeposition of Alloys of Rhenium with Iron-Group Metals from Aqueous Solutions. <i>Journal of the Electrochemical Society</i> , 2010, 157, D422.	2.9	45
46	The nanostructure of an electrochemically deposited hydroxyapatite coating. <i>Materials Letters</i> , 2011, 65, 2455-2457.	2.6	45
47	The effect of simulated hypervelocity space debris on polymers. <i>Acta Materialia</i> , 2004, 52, 5539-5549.	7.9	44
48	Corrosion behavior of composition modulated multilayer Zn-Co electrodeposits produced using a single-bath technique. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 339-345.	2.9	44
49	Direct Experimental Support for the Catalytic Effect of Iron-Group Metals on Electrodeposition of Rhenium. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, D91.	2.2	44
50	Magnetic properties of carbon nano-particles produced by a pulsed arc submerged in ethanol. <i>Carbon</i> , 2008, 46, 215-219.	10.3	43
51	Hydrogen diffusivity measurement and microstructural characterization of Custom 465 stainless steel. <i>Electrochimica Acta</i> , 2015, 178, 494-503.	5.2	43
52	Mercaptopropionic acid-modified oleic imidazoline as a highly efficient corrosion inhibitor for carbon steel in CO ₂ -saturated formation water. <i>Corrosion Science</i> , 2022, 194, 109930.	6.6	42
53	Epoxy-based shape memory composite for space applications. <i>Acta Astronautica</i> , 2021, 178, 908-919.	3.2	38
54	A New Ti-5Ag Alloy for Customized Prostheses by Three-dimensional Printing (3DP _μ). <i>Journal of Dental Research</i> , 2001, 80, 860-863.	5.2	37

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55	Nanoparticle plasma ejected directly from solid copper by localized microwaves. Applied Physics Letters, 2009, 95, .	3.3	37
56	Hydroxyapatite/Mesoporous Graphene/Single-Walled Carbon Nanotubes Freestanding Flexible Hybrid Membranes for Regenerative Medicine. Advanced Functional Materials, 2016, 26, 7965-7974.	14.9	37
57	Failures of Stainless Steel Orthopedic Devices - Causes and Remedies. Corrosion Reviews, 2003, 21, 231-268.	2.0	36
58	Hydrogen effects on electrochemically charged additive manufactured by electron beam melting (EBM) and wrought Ti-6Al-4V alloys. International Journal of Hydrogen Energy, 2020, 45, 25523-25540.	7.1	36
59	Failure Analysis and Condition Monitoring of an Open-Loop Oil System Using Ferrography. Tribology Letters, 2009, 36, 17-29.	2.6	35
60	The Effects of pH and Temperature on Electrodeposition of Re-Ir-Ni Coatings from Aqueous Solutions. Journal of the Electrochemical Society, 2015, 162, D20-D26.	2.9	35
61	Hydrogen evolution from Zr-based amorphous and quasicrystalline alloys. Journal of Alloys and Compounds, 2000, 305, 272-281.	5.5	34
62	Long-term evaluation of a compliant cushion form acetabular bearing for hip joint replacement: A 20 million cycles wear simulation. Journal of Orthopaedic Research, 2011, 29, 1859-1866.	2.3	34
63	The Mechanism of Induced Codeposition of Ni-W Alloys. ECS Transactions, 2006, 2, 337-349.	0.5	33
64	Innovative processes for electropolishing of medical devices made of stainless steels. Journal of Biomedical Materials Research - Part A, 2007, 83A, 546-557.	4.0	33
65	The effect of manufacturing processes on the fatigue lifetime of aeronautical bolts. Engineering Failure Analysis, 2001, 8, 227-235.	4.0	30
66	Electrocrystallization of Calcium Phosphates. Israel Journal of Chemistry, 2008, 48, 159-168.	2.3	29
67	Gravity orientation in social wasp comb cells (Vespinae) and the possible role of embedded minerals. Die Naturwissenschaften, 2008, 95, 333-342.	1.6	28
68	The iron anchors from the Tantara F shipwreck: typological and metallurgical analyses. Journal of Archaeological Science, 2011, 38, 233-245.	2.4	28
69	Nanoparticles and nanotubes induced by femtosecond lasers. Laser and Particle Beams, 2005, 23, .	1.0	27
70	Comparative Quality Control of Titanium Alloy Ti-6Al-4V, 17-4 PH Stainless Steel, and Aluminum Alloy 4047 Either Manufactured or Repaired by Laser Engineered Net Shaping (LENS). Materials, 2020, 13, 4171.	2.9	27
71	Electroless plating of rhenium-nickel alloys. Electrochimica Acta, 2011, 56, 9637-9643.	5.2	26
72	Incorporation of iridium into electrodeposited rhenium-nickel alloys. Electrochimica Acta, 2013, 88, 240-250.	5.2	26

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73	Hydroxyapatite coatings electrodeposited at near-physiological conditions. <i>Materials Letters</i> , 2014, 119, 24-27.	2.6	26
74	Preventative Maintenance and Failure Analysis of Aircraft Components. <i>Corrosion Reviews</i> , 2007, 25, 107-144.	2.0	25
75	A new model for the diffusion behavior of hydrogen in metallic glasses. <i>Acta Materialia</i> , 1999, 47, 2981-2989.	7.9	24
76	Hydrogen effects on an amorphous Fe-Si-B alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2000, 31, 2517-2526.	2.2	24
77	Modeling failure of metallic glasses due to hydrogen embrittlement in the absence of external loads. <i>Acta Materialia</i> , 2004, 52, 93-105.	7.9	24
78	Interaction of liquid and solid gallium with thin silver films: Synchronized spreading and penetration. <i>Acta Materialia</i> , 2011, 59, 914-926.	7.9	24
79	Effect of the POSS-Polyimide nanostructure on its mechanical and electrical properties. <i>Composites Science and Technology</i> , 2012, 72, 1408-1415.	7.8	24
80	An Overview of the Current Understanding of Corrosion in SCWO Systems for the Destruction of Hazardous Waste Products. <i>Materials Technology</i> , 2001, 16, 44-53.	3.0	23
81	Corrosion inhibition of copper in ferric chloride solutions with organic inhibitors. <i>Npj Materials Degradation</i> , 2020, 4, .	5.8	22
82	The effect of hyaluronan injections into human knees on the number of bone and cartilage wear particles captured by bio-ferrography. <i>Acta Biomaterialia</i> , 2011, 7, 848-857.	8.3	21
83	In Situ Potentiostatic Deposition of Calcium Phosphate with Gentamicin-Loaded Chitosan Nanoparticles on Titanium Alloy Surfaces. <i>Electrochimica Acta</i> , 2016, 222, 355-360.	5.2	21
84	Electrodeposited Re-promoted Ni foams as a catalyst for the dry reforming of methane. <i>Catalysis Communications</i> , 2016, 76, 23-28.	3.3	21
85	The influence of laser directed energy deposition (DED) processing parameters for Al5083 studied by central composite design. <i>Journal of Materials Research and Technology</i> , 2022, 17, 3157-3171.	5.8	21
86	Oxidation and hydrogenation of quasicrystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 1008-1011.	5.6	20
87	Failures of bolts in helicopter main rotor drive plate assembly due to improper application of lubricant. <i>Engineering Failure Analysis</i> , 2003, 10, 443-451.	4.0	20
88	The use of SIMS in quality control and failure analysis of electrodeposited items inspected for hydrogen effects. <i>Corrosion Science</i> , 2008, 50, 1481-1491.	6.6	20
89	Growth study of nanoscale Re-Ni coatings on functionalized SiO ₂ using electroless plating. <i>Applied Surface Science</i> , 2014, 313, 159-165.	6.1	20
90	Hydrogen Diffusivity and Trapping in Custom 465 Stainless Steel. <i>Journal of the Electrochemical Society</i> , 2018, 165, C107-C115.	2.9	20

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91	Atomic Force Microscope-Based Meniscus-Confined Three-Dimensional Electrodeposition. <i>Advanced Materials Technologies</i> , 2020, 5, 1900827.	5.8	20
92	Electrodeposition of rhenium-tin nanowires. <i>Electrochimica Acta</i> , 2011, 56, 6361-6370.	5.2	19
93	Observations of Ball-Lightning-Like Plasmoids Ejected from Silicon by Localized Microwaves. <i>Materials</i> , 2013, 6, 4011-4030.	2.9	19
94	Electrodeposition of Re-Ni alloys from aqueous solutions with organic additives. <i>Thin Solid Films</i> , 2016, 616, 828-837.	1.8	19
95	Microbial Degradation of Epoxy. <i>Materials</i> , 2018, 11, 2123.	2.9	19
96	Measurement of the Anisotropic Dynamic Elastic Constants of Additive Manufactured and Wrought Ti6Al4V Alloys. <i>Materials</i> , 2022, 15, 638.	2.9	19
97	Magnetic isolation of particles suspended in synovial fluid for diagnostics of natural joint chondropathies. <i>Acta Biomaterialia</i> , 2010, 6, 4430-4438.	8.3	18
98	Mechanical characterization of aerogel materials with digital image correlation. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 44-52.	4.4	18
99	Influence of hydrogen on formation and stability of Zr-based quasicrystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 294-296, 112-115.	5.6	16
100	Absorption/desorption behavior of hydrogen and deuterium in a Pd-coated Zr-based amorphous alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 358, 219-225.	5.6	16
101	The Initial Stages of Electrodeposition of Re-Ni Alloys. <i>Journal of the Electrochemical Society</i> , 2014, 161, D219-D226.	2.9	16
102	Templated and self-limiting calcite formation directed by coccolith organic macromolecules. <i>Chemical Communications</i> , 2017, 53, 7740-7743.	4.1	16
103	Mechanical behavior of electrochemically hydrogenated electron beam melting (EBM) and wrought Ti-6Al-4V using small punch test. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 6388-6403.	7.1	16
104	Hydrogen effects on the spall strength and fracture characteristics of amorphous Fe-Si-B alloy at very high strain rates. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2000, 31, 1085-1093.	2.2	15
105	Atomic-Scale Structural and Chemical Study of Columnar and Multilayer Re-Ni Electrodeposited Thermal Barrier Coating. <i>Advanced Engineering Materials</i> , 2016, 18, 1133-1144.	3.5	15
106	Effect of Decorating Titanium with Different Self-Assembled Monolayers on the Electrodeposition of Calcium Phosphate. <i>Crystal Growth and Design</i> , 2016, 16, 2756-2764.	3.0	15
107	The Effect of Localized Vibration during Welding on the Microstructure and Mechanical Behavior of Steel Welds. <i>Materials</i> , 2019, 12, 2553.	2.9	15
108	The Effect of Direct and Pulsed Current in the Presence of Surfactants on the Electrodeposition of Zn-SiC Nanocomposite Coatings. <i>Coatings</i> , 2019, 9, 93.	2.6	15

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109	Cracking in cargo aircraft main landing gear truck beams due to abusive grinding following chromium plating. <i>Engineering Failure Analysis</i> , 2005, 12, 337-347.	4.0	14
110	Enhancement of Wetting and Mechanical Properties of UHMWPE-Based Composites through Alumina Atomic Layer Deposition. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800295.	3.7	14
111	Diffusion and trapping of hydrogen due to elastic interaction with γ -Ni ₃ Ti precipitates in Custom 465 [®] stainless steel. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 31610-31620.	7.1	14
112	Electroless plating of rhenium-based alloys with nickel, cobalt and iron. <i>Electrochimica Acta</i> , 2015, 174, 660-666.	5.2	13
113	Thermal decomposition of titanium hydrides in electrochemically hydrogenated electron beam melting (EBM) and wrought Ti-6Al-4V alloys using in situ high-temperature X-Ray diffraction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30423-30432.	7.1	13
114	Fundamentals of Tribology and the Use of Ferrography and Bio-Ferrography for Monitoring the Degradation of Natural and Artificial Joints. , 2012, , 253-302.		13
115	Autosomal dominant isolated question mark ear. <i>American Journal of Medical Genetics, Part A</i> , 2008, 146A, 2280-2283.	1.2	12
116	Microstructure and composition of pulse plated Re-Ni alloys on a rotating cylinder electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014, 731, 93-99.	3.8	12
117	Electro-Assisted Deposition of Calcium Phosphate on Self-Assembled Monolayers. <i>Electrochimica Acta</i> , 2016, 206, 400-408.	5.2	12
118	Microvoids in electrochemically hydrogenated titanium-based alloys. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27234-27242.	7.1	12
119	Study of fracture evolution in copper sheets by in situ tensile test and EBSD analysis. <i>Journal of Materials Science</i> , 2010, 45, 6345-6352.	3.7	11
120	Electrodeposition and biomineralization of nano- β -tricalcium phosphate on graphenated carbon nanotubes. <i>Surface and Coatings Technology</i> , 2016, 297, 51-57.	4.8	11
121	The Correlation Between Substrate Mass Loss and Electrochemical Impedance Spectroscopy Data for a Polymer-Coated Metal. <i>Journal of the Electrochemical Society</i> , 2002, 149, B265.	2.9	10
122	Electrodeposition of Alloys of Rhenium with Iron-Group Metals from Aqueous Solutions. <i>ECS Transactions</i> , 2010, 25, 137-149.	0.5	10
123	Direct Current Electrodeposition of Zn-SiC Nanocomposite Coatings from Citrate Bath. <i>Journal of the Electrochemical Society</i> , 2018, 165, D526-D535.	2.9	10
124	Non-Arrhenius behavior of the diffusion coefficient of hydrogen in amorphous metals. <i>Materials Letters</i> , 1999, 39, 255-259.	2.6	9
125	In Situ Underfilm Corrosion Rate Measurements by Magnetic and Electrochemical Techniques. <i>Electrochemical and Solid-State Letters</i> , 1999, 3, 275.	2.2	9
126	The Influence of Weak Ionic Interactions on Electrode Reactions during Electrodeposition of Re-Ni Alloys. <i>Journal of the Electrochemical Society</i> , 2014, 161, D632-D639.	2.9	9

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127	Optimization of <scp>EGFR</scp> high positive cell isolation procedure by design of experiments methodology. <i>Cytometry Part B - Clinical Cytometry</i> , 2015, 88, 338-347.	1.5	9
128	Effect of Pulse On-Time and Peak Current Density on Pulse Plated Re-Ni Alloys. <i>Journal of the Electrochemical Society</i> , 2015, 162, D250-D255.	2.9	9
129	The Effect of POSS Type on the Shape Memory Properties of Epoxy-Based Nanocomposites. <i>Molecules</i> , 2020, 25, 4203.	3.8	8
130	Hydrogen effect on phase angle shift in electrochemical impedance spectroscopy during corrosion fatigue crack emanation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 40175-40184.	7.1	8
131	Comparative study of deuterium desorption from Pd-coated Zr-based amorphous and quasicrystalline alloys. <i>Scripta Materialia</i> , 2005, 52, 777-783.	5.2	7
132	The Effect of SiC Nanoparticle Size on the Electrodeposition of Znâ€“SiC Nanocomposite Coatings from Citrate Bath. <i>Journal of the Electrochemical Society</i> , 2018, 165, D774-D782.	2.9	7
133	Mechanical properties of Bio-Ferrography isolated cancerous cells studied by atomic force microscopy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 91, 345-354.	3.1	7
134	The effect of friction welding on the mechanical properties and corrosion fatigue resistance of titanium alloy drill pipe. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 466-481.	3.4	7
135	Influence Of Hydrogen On The Thermal Stability Of Zr-Based Quasicrystals. <i>Materials Research Society Symposia Proceedings</i> , 1998, 553, 49.	0.1	6
136	Hydrogenation and Crystallization of Zr-Cu-Ni-Al Glasses. <i>Materials Research Society Symposia Proceedings</i> , 1998, 554, 287.	0.1	6
137	Chemical Potential, Diffusion and Stress â€“ Common Confusions in Nomenclature and Units. <i>Corrosion Reviews</i> , 2008, 26, .	2.0	6
138	Strain driven transport for bone modeling at the periosteal surface. <i>Mathematical Biosciences</i> , 2011, 230, 37-44.	1.9	6
139	Characterization of Re-Ni Films after the Initial Stages of Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2016, 163, D295-D299.	2.9	6
140	Shedding Light on the Oxygen Reduction Reaction Mechanism in Ether-Based Electrolyte Solutions: A Study Using Operando UVâ€“Vis Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10860-10869.	8.0	6
141	Direct Writing of Highâ€“Resolution, Highâ€“Quality Pure Metal Patterns on Smooth Transparent Substrates by Laserâ€“Induced Forward Transfer Followed by a Novel Laser Treatment. <i>Advanced Engineering Materials</i> , 2021, 23, 2100245.	3.5	6
142	Design and Characterization of New Ti-Ag and Ti-Ag-Sn Alloys for Cranio-Maxillo-Facial Prostheses Made by Three-Dimensional Printing. <i>Materials Research Society Symposia Proceedings</i> , 2000, 662, 1.	0.1	5
143	Isolating EGFR Overexpressing Carcinoma Cells from Human Whole Blood by Bio-Ferrography. , 2014, , n/a-n/a.		5
144	Isolating epidermal growth factor receptor overexpressing carcinoma cells from human whole blood by bio-ferrography. , 2015, 88, 136-144.		5

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145	Quickly Manufactured, Drug Eluting, Calcium Phosphate Composite Coating. ChemistrySelect, 2017, 2, 753-758.	1.5	5
146	Atomically resolved calcium phosphate coating on a gold substrate. Nanoscale, 2018, 10, 8451-8458.	5.6	5
147	Electrochemical Processing and Thermal Properties of Functional Core/Multi-Shell ZnAl/Ni/NiP Microparticles. Materials, 2021, 14, 834.	2.9	5
148	Hydrogel-integrated 3D-printed poly(lactic acid) scaffolds for bone tissue engineering. Journal of Materials Research, 2021, 36, 3833-3842.	2.6	5
149	Electroplating of Pure Aluminum from [HMIIm][TFSI] AlCl ₃ Room-Temperature Ionic Liquid. Coatings, 2021, 11, 1414.	2.6	5
150	The Use Of Electrochemical Impedance Spectroscopy (EIS) And Vibrating Sample Magnetometer (VSM) For Measuring The Corrosion Rate Of Polymer-Coated Ferromagnetic Metals.. Materials Technology, 2001, 16, 90-97.	3.0	3
151	Novel Approach to Space-survivable Polyimides: Liquid Phase Deposition of Titania Coating on Kapton. , 2009, , .		3
152	Sol-Gel Encapsulation of ZnAl Alloy Powder with Alumina Shell. Coatings, 2021, 11, 1389.	2.6	3
153	Influence of POSS Type on the Space Environment Durability of Epoxy-POSS Nanocomposites. Nanomaterials, 2022, 12, 257.	4.1	3
154	High Efficiency Aeronautical Hard Chromium Platings. Materials Technology, 2002, 17, 81-86.	3.0	2
155	P-2 Electrocrystallization of Calcium Phosphates for Orthopaedic Implants. Journal of Biomechanics, 2010, 43, S3-S4.	2.1	1
156	Corrosion Reviews: a renewal. Corrosion Reviews, 2011, 29, .	2.0	1
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