G Sundararajan

List of Publications by Year in descending order

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181 papers	8,571 citations	38742 50 h-index	56724 83 g-index
182 all docs	182 docs citations	182 times ranked	5165 citing authors

#	Article	IF	Citations
1	Influence of SiC reinforcement content and heat treatment on the corrosion behavior of pulsed electrodeposited Ni-W alloy metal matrix composite. Materialia, 2022, 22, 101390.	2.7	11
2	On the understanding of microstructural evolution during hot deformation of n-ODS-18Cr ferritic steel containing heterogeneous microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 800, 140343.	5.6	5
3	Strengthening Mechanisms in Nano Oxide Dispersion-Strengthened Fe-18Cr Ferritic Steel at Different Temperatures. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1901-1912.	2.2	1
4	Role of Microstructure and Temperature on the Tensile Fracture Behavior of Oxide Dispersion Strengthened 18Cr Ferritic Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1826-1835.	2.2	4
5	Role of stacking fault energy (SFE) on the high strain rate deformation of cold sprayed Cu and Cuâ€“Al alloy coatings. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 814, 141242.	5.6	16
6	Compositionâ€Dependent Longâ€Term Stability of Mosaic Solidâ€Electrolyte Interface for Longâ€Life Lithiumâ€ion Battery. Batteries and Supercaps, 2021, 4, 1720-1730.	4.7	5
7	Surface oxygen vacancy engineering and physical protection by in-situ carbon coating process of lithium rich layered oxide. Journal of Power Sources, 2021, 515, 230623.	7.8	14
8	Influence of nanoprecipitates, solid solution and grain size on the magnetic and electrical properties of Fe-P-Si alloys. Journal of Magnetism and Magnetic Materials, 2020, 493, 165743.	2.3	5
9	Corrosion behaviour of compositionally modulated nanocrystalline Niâ€“W coatings. Surface Engineering, 2020, 36, 952-959.	2.2	12
10	Influence of pulse parameters on the mechanical properties and electrochemical corrosion behavior of electrodeposited Ni-W alloy coatings with high tungsten content. Corrosion Science, 2020, 165, 108409.	6.6	60
11	Processing of Ceramic and Cermet Composite Coatings for Strategic and Aerospace Applications. , 2020, , 1465-1526.		0
12	Effect of recovery and recrystallization on microstructure and magnetic properties of Fe-0.4P rolled sheets. Materialia, 2020, 13, 100863.	2.7	0
13	Creep deformation behavior of nano oxide dispersion strengthened Feâ€“18Cr ferritic steel. Materialia, 2020, 12, 100788.	2.7	3
14	A combined electron microscopy, atom probe tomography and small angle X-ray scattering study of oxide dispersion strengthened 18Cr ferritic steel. Materials Characterization, 2020, 164, 110306.	4.4	7
15	Influence of Nozzle Throat Cross Section on Microstructure and Properties of Cold Sprayed Coatings. Journal of Thermal Spray Technology, 2019, 28, 1718-1729.	3.1	10
16	Influence of molybdenum on the mechanical properties, electrochemical corrosion and wear behavior of electrodeposited Ni-Mo alloy. Surface and Coatings Technology, 2019, 370, 298-310.	4.8	55
17	Thermally activated plastic deformation behavior of nano oxide dispersion strengthened Fe-18Cr steel: Experiments and analysis. Materialia, 2019, 6, 100257.	2.7	6
18	A new model for predicting the grain size of electrodeposited nanocrystalline nickel coatings containing sulphur, phosphorus or boron based on typical systems. Journal of Electroanalytical Chemistry, 2019, 833, 198-204.	3.8	19

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19	Processing of Ceramic and Cermet Composite Coatings for Strategic and Aerospace Applications. , 2019, , 1-62.		0
20	Solid Particle Erosion of Nanocrystalline Nickel Coatings: Influence of Grain Size and Adiabatic Shear Bands. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 476-489.	2.2	8
21	In Situ/ex Situ Investigations on the Formation of the Mosaic Solid Electrolyte Interface Layer on Graphite Anode for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 28717-28726.	3.1	62
22	On the Constraint Factor and Tabor Coefficient Pertinent to Spherical Indentation. Transactions of the Indian Institute of Metals, 2018, 71, 2893-2901.	1.5	2
23	Tribological Behavior of Pulsed Electrodeposited Ni-W/SiC Nanocomposites. Journal of Materials Engineering and Performance, 2018, 27, 5236-5245.	2.5	49
24	Sliding wear of as-deposited and heat-treated nanocrystalline nickel-tungsten alloy coatings. Wear, 2018, 412-413, 136-143.	3.1	13
25	Weibull analysis of hardness distribution in detonation sprayed nano-structured WC-12Co coatings. Surface and Coatings Technology, 2017, 319, 394-402.	4.8	25
26	Influence of heat treatment on microstructure and mechanical properties of pulse electrodeposited Ni-W alloy coatings. Surface and Coatings Technology, 2017, 319, 403-414.	4.8	57
27	Microstructureâ€“mechanical property correlation in oxide dispersion strengthened 18Cr ferritic steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 708, 451-459.	5.6	30
28	In-situ carbon encapsulation of LiNi1/3Co1/3Mn1/3O2 using pillared ethylene glycol trapped in the metal hydroxide interlayers for enhanced cyclic stability. Electrochimica Acta, 2017, 251, 363-377.	5.2	12
29	Role of Silicon Carbide in Phase-Evolution and Oxidation Behaviors of Pulse Electrodeposited Nickel-Tungsten Coating. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 501-512.	2.2	11
30	Detonation Sprayed Coatings for Aerospace Applications. Indian Institute of Metals Series, 2017, , 483-500.	0.3	2
31	Effect of Si addition on AC and DC magnetic properties of (Fe-P)-Si alloy. AIP Advances, 2016, 6, .	1.3	4
32	Influence of Dispersoids on Corrosion Behavior of Oxide Dispersion-Strengthened 18Cr Steels made by High-Energy Milling. Journal of Materials Engineering and Performance, 2016, 25, 577-586.	2.5	11
33	Experimental investigation of grain boundaries misorientations and nano twinning induced strengthening on addition of silicon carbide in pulse electrodeposited nickel tungsten composite coating. Materials Characterization, 2016, 116, 1-7.	4.4	30
34	Pulsed electrodeposition and mechanical properties of Ni-W/SiC nano-composite coatings. Materials and Design, 2016, 112, 140-150.	7.0	159
35	Effect of Process Parameters on Microstructure and Hardness of Oxide Dispersion Strengthened 18Cr Ferritic Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4197-4209.	2.2	20
36	Influence of mode of electrodeposition, current density and saccharin on the microstructure and hardness of electrodeposited nanocrystalline nickel coatings. Surface and Coatings Technology, 2016, 291, 130-140.	4.8	112

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37	Process Optimization for Pulse Reverse Electrodeposition of Graphene-Reinforced Copper Nanocomposites. Materials and Manufacturing Processes, 2016, 31, 1439-1446.	4.7	23
38	Microstructural, phase evolution and corrosion properties of silicon carbide reinforced pulse electrodeposited nickelâ€“tungsten composite coatings. Applied Surface Science, 2016, 364, 264-272.	6.1	54
39	Engineered surfaces for automotive engine and power train components. Current Opinion in Chemical Engineering, 2016, 11, 1-6.	7.8	14
40	The influence of phase gradient within the micro arc oxidation (MAO) coatings on mechanical and tribological behaviors. Surface and Coatings Technology, 2015, 269, 54-63.	4.8	41
41	Influence of pulsed current on the aqueous corrosion resistance of electrodeposited zinc. Surface and Coatings Technology, 2015, 272, 373-379.	4.8	26
42	Relative hardness and corrosion behavior of micro arc oxidation coatings deposited on binary and ternary magnesium alloys. Materials & Design, 2015, 77, 6-14.	5.1	52
43	Sliding wear behavior of electrodeposited Niâ€“W alloy and hard chrome coatings. Wear, 2015, 342-343, 340-348.	3.1	83
44	Controllable Crystallographic Texture in Copper Foils Exhibiting Enhanced Mechanical and Electrical Properties by Pulse Reverse Electrodeposition. Crystal Growth and Design, 2015, 15, 4448-4458.	3.0	42
45	Influence of the duration of high energy ball milling on the microstructure and mechanical properties of a 9Cr oxide dispersion strengthened ferriticâ€“martensitic steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 620, 490-499.	5.6	22
46	Scratch-Induced Deformation Behavior of Cold-Sprayed Aluminum Amorphous/Nanocrystalline Coatings at Multiple Load Scales. Journal of Thermal Spray Technology, 2014, 23, 502-513.	3.1	21
47	Aqueous Corrosion Behavior of Micro Arc Oxidation (MAO)-Coated Magnesium Alloys: A Critical Review. Jom, 2014, 66, 1045-1060.	1.9	34
48	A New Electrochemical Approach for the Synthesis of Copper-Graphene Nanocomposite Foils with High Hardness. Scientific Reports, 2014, 4, 4049.	3.3	204
49	Microstructure, mechanical properties and machining performance of spark plasma sintered Al2O3â€“ZrO2â€“TiCN nanocomposites. Journal of the European Ceramic Society, 2013, 33, 2597-2607.	5.7	32
50	Strengthening Mechanisms in Mechanically Milled Oxide-Dispersed Iron Powders. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 1611-1620.	2.2	15
51	A Comparison of Mechanical and Tribological Behavior of Nanostructured and Conventional WC-12Co Detonation-Sprayed Coatings. Journal of Thermal Spray Technology, 2013, 22, 478-490.	3.1	9
52	Compositionally modulated CGDS+MAO duplex coatings for corrosion protection of AZ91 magnesium alloy. Journal of Alloys and Compounds, 2013, 578, 355-361.	5.5	27
53	Fabrication and Photoelectrochemical Characterization of Fe, Co, Ni and Cu-Doped TiO₂ Thin Films. Materials Science Forum, 2013, 764, 266-283.	0.3	8
54	The Elastic Modulus of Cold Spray Coatings: Influence of Inter-splat Boundary Cracking. Journal of Thermal Spray Technology, 2013, 22, 1348-1357.	3.1	44

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55	The Corrosion Behavior of Cold Sprayed Zinc Coatings on Mild Steel Substrate. Journal of Thermal Spray Technology, 2013, 22, 463-470.	3.1	83
56	Effect of micro arc oxidation treatment on localized corrosion behaviour of AA7075 aluminum alloy in 3.5% NaCl solution. Transactions of Nonferrous Metals Society of China, 2012, 22, 700-710.	4.2	72
57	Sliding wear behavior of nanocrystalline nickel coatings: Influence of grain size. Wear, 2012, 296, 536-546.	3.1	50
58	Understanding dynamic indentation behaviour of metallic materials. Materials Science and Technology, 2012, 28, 1101-1107.	1.6	7
59	Influence of Li-doping on structural characteristics and photocatalytic activity of ZnO nano-powder formed in a novel solution pyro-hydrolysis route. Applied Surface Science, 2012, 259, 524-537.	6.1	44
60	Preparation and Characterization of Ni-Doped Materials for Photocurrent and Photocatalytic Applications. Scientific World Journal, The, 2012, 2012, 1-16.	2.1	171
61	Preparation and characterization of Co-doped TiO2 materials for solar light induced current and photocatalytic applications. Materials Chemistry and Physics, 2012, 135, 220-234.	4.0	99
62	Aqueous slip casting and hydrolysis assisted solidification of MgAl₂O₄spinel ceramics. Advances in Applied Ceramics, 2011, 110, 63-69.	1.1	19
63	Novel route toÎ²â€SiAlONâ€“SiO₂ceramic composites. Advances in Applied Ceramics, 2011, 110, 87-94.	1.1	6
64	Optimizing mechanical properties of spark plasma sintered ZTA using neural network and genetic algorithm. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 529, 492-496.	5.6	6
65	The influence of process parameters and heat treatment on the properties of cold sprayed silver coatings. Surface and Coatings Technology, 2011, 205, 4798-4807.	4.8	55
66	The Influence of Powder Particle Velocity and Microstructure on the Properties of Cold Sprayed Copper Coatings. Journal of Thermal Spray Technology, 2011, 20, 1009-1021.	3.1	53
67	Influence of prior corrosion on the high cycle fatigue behavior of microarc oxidation coated 6061-T6 Aluminum alloy. International Journal of Fatigue, 2011, 33, 1268-1276.	5.7	29
68	The influence of erodent hardness on the erosion behavior of detonation sprayed WC-12Co coatings. Wear, 2011, 270, 903-913.	3.1	56
69	The influence of the coating technique on the high cycle fatigue life of alumina coated Al 6061 alloy. Transactions of the Indian Institute of Metals, 2010, 63, 203-208.	1.5	20
70	High-Cycle Fatigue Behavior of Microarc Oxidation Coatings Deposited on a 6061-T6 Al Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 255-265.	2.2	28
71	Influence of Electrolyte Chemistry on Morphology and Corrosion Resistance of Micro Arc Oxidation Coatings Deposited on Magnesium. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 3499-3508.	2.2	51
72	Influence of Grit Blasting on the Roughness and the Bond Strength of Detonation Sprayed Coating. Journal of Thermal Spray Technology, 2010, 19, 805-815.	3.1	28

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73	Evaluation of Parameters for Assessment of Inter-Splat Bond Strength in Cold-Sprayed Coatings. Journal of Thermal Spray Technology, 2010, 19, 1255-1266.	3.1	44
74	The tribological behaviour of detonation sprayed TiMo(CN) based cermet coatings. International Journal of Refractory Metals and Hard Materials, 2010, 28, 71-81.	3.8	13
75	Abrasive wear behavior of detonation sprayed WCâ€“12Co coatings: Influence of decarburization and abrasive characteristics. Wear, 2010, 268, 1387-1399.	3.1	65
76	Influence of processing route on microstructure and mechanical properties of MgAl2O4 spinel. Ceramics International, 2010, 36, 473-482.	4.8	58
77	A novel colloidal processing route to alumina ceramics. Ceramics International, 2010, 36, 1357-1364.	4.8	33
78	Highly (111) Textured Copper Foils with High Hardness and High Electrical Conductivity by Pulse Reverse Electrodeposition. Electrochemical and Solid-State Letters, 2010, 13, D40.	2.2	23
79	The dynamic indentation behavior of steel at large depths of penetration. Journal of Materials Research, 2009, 24, 691-703.	2.6	2
80	The influence of heat treatment on the microstructural, mechanical and corrosion behaviour of cold sprayed SS 316L coatings. Journal of Materials Science, 2009, 44, 2320-2326.	3.7	66
81	Detonation sprayed WC-Co coatings: unique aspects of their structure and mechanical behaviour. Transactions of the Indian Institute of Metals, 2009, 62, 95-103.	1.5	10
82	Effect of Micro Arc Oxidation Coatings on Corrosion Resistance of 6061-Al Alloy. Journal of Materials Engineering and Performance, 2008, 17, 708-713.	2.5	38
83	Performance of plasma sprayed and detonation gun sprayed Cuâ€“Niâ€“In coatings on Tiâ€“6Alâ€“4V under plain fatigue and fretting fatigue loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 479, 83-92.	5.6	30
84	Dense Î²-SiAlONs consolidated by a modified hydrolysis-assisted solidification route. Journal of the European Ceramic Society, 2008, 28, 879-885.	5.7	22
85	A non-aqueous processing route for phosphate-protection of AlN powder against hydrolysis. Journal of the European Ceramic Society, 2008, 28, 2281-2288.	5.7	24
86	Processingâ€“structureâ€“property correlation and decarburization phenomenon in detonation sprayed WCâ€“12Co coatings. Acta Materialia, 2008, 56, 5012-5026.	7.9	111
87	Influence of microarc oxidation and hard anodizing on plain fatigue and fretting fatigue behaviour of Alâ€“Mgâ€“Si alloy. Surface and Coatings Technology, 2008, 202, 1462-1469.	4.8	64
88	The effect of boron-pack refreshment on the boriding of mild steel by the spark plasma sintering (SPS) process. Surface and Coatings Technology, 2008, 202, 2830-2836.	4.8	9
89	Influence of detonation gun sprayed alumina coating on AA 6063 samples under cyclic loading with and without fretting. Tribology International, 2008, 41, 315-322.	5.9	24
90	Effect of microarc oxidised layer thickness on plain fatigue and fretting fatigue behaviour of Alâ€“Mgâ€“Si alloy. International Journal of Fatigue, 2008, 30, 1259-1266.	5.7	22

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91	An Aqueous Gelcasting Route to Dense Î²-Si4Al2O2N6â€“0.5SiO2Ceramics. Journal of the American Ceramic Society, 2008, 91, 1566-1571.	3.8	21
92	Influence of processing route and SiO₂on sintering ability, CTE, and dielectric constant of Î²-Si₄Al₂O₂N₆. Journal of Materials Research, 2008, 23, 2305-2311.	2.6	5
93	Effect of heat treatment on properties of cold sprayed nanocrystalline copper alumina coatings. Acta Materialia, 2007, 55, 4741-4751.	7.9	116
94	Kinetics and Properties of Micro Arc Oxidation Coatings Deposited on Commercial Al Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 370-378.	2.2	49
95	Effect of Feedstock Size and its Distribution on the Properties of Detonation Sprayed Coatings. Journal of Thermal Spray Technology, 2007, 16, 281-290.	3.1	32
96	Effect of Process Parameters and Heat Treatments on Properties of Cold Sprayed Copper Coatings. Journal of Thermal Spray Technology, 2007, 16, 425-434.	3.1	110
97	Influence of Substrate Material on Plain Fatigue and Fretting Fatigue Behavior of Detonation Gun Sprayed Cu-Ni-In Coating. Journal of Thermal Spray Technology, 2007, 16, 571-579.	3.1	13
98	The localization of plastic flow under dynamic indentation conditions: II. Analysis of results. Acta Materialia, 2006, 54, 577-586.	7.9	22
99	The localization of plastic flow under dynamic indentation conditions: I. Experimental results. Acta Materialia, 2006, 54, 565-575.	7.9	43
100	Effect of detonation gun sprayed Cuâ€“Niâ€“In coating on plain fatigue and fretting fatigue behaviour of Alâ€“Mgâ€“Si alloy. Surface and Coatings Technology, 2006, 201, 1548-1558.	4.8	19
101	Boride layer growth kinetics during boriding of molybdenum by the Spark Plasma Sintering (SPS) technology. Surface and Coatings Technology, 2006, 201, 2849-2853.	4.8	34
102	A comparative study of tribological behavior of microarc oxidation and hard-anodized coatings. Wear, 2006, 261, 1095-1101.	3.1	121
103	Influence of process parameters during pulsed Nd:YAG laser cutting of nickel-base superalloys. Journal of Materials Processing Technology, 2005, 170, 229-239.	6.3	146
104	A statistical approach to determine process parameter impact in Nd:YAG laser drilling of IN718 and Ti-6Al-4V sheets. Optics and Lasers in Engineering, 2005, 43, 163-182.	3.8	70
105	Formation of hard tungsten boride layer by spark plasma sintering boriding. Thin Solid Films, 2005, 478, 232-237.	1.8	65
106	FeB/FeB phase transformation during SPS pack-boriding: Boride layer growth kinetics. Acta Materialia, 2005, 53, 2361-2368.	7.9	204
107	The tribological behaviour of detonation sprayed coatings: the importance of coating process parameters. Wear, 2005, 258, 377-391.	3.1	38
108	Coatability and Characterization of Fly Ash Deposited on Mild Steel by Detonation Spraying. Journal of Thermal Spray Technology, 2003, 12, 77-79.	3.1	22

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109	Mechanisms underlying the formation of thick alumina coatings through the MAO coating technology. Surface and Coatings Technology, 2003, 167, 269-277.	4.8	430
110	The tribological performance of ultra-hard ceramic composite coatings obtained through microarc oxidation. Surface and Coatings Technology, 2003, 163-164, 484-490.	4.8	208
111	Thermal spray coating of aluminum nitride utilizing the detonation spray technique. Journal of Materials Research, 2002, 17, 2514-2523.	2.6	22
112	Boriding of mild steel using the spark plasma sintering (SPS) technique. Surface and Coatings Technology, 2002, 157, 226-230.	4.8	49
113	Influence of the pack thickness of the boronizing mixture on the boriding of steel. Surface and Coatings Technology, 2002, 149, 21-26.	4.8	183
114	Geometrical features and metallurgical characteristics of Nd:YAG laser drilled holes in thick IN718 and Tiâ€“6Alâ€“4V sheets. Journal of Materials Processing Technology, 2002, 127, 83-95.	6.3	162
115	Experimental design and performance analysis of alumina coatings deposited by a detonation spray process. Journal Physics D: Applied Physics, 2001, 34, 131-140.	2.8	28
116	Erosion-oxidation interaction in Ni and Ni-20Cr alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2001, 32, 1431-1451.	2.2	32
117	Influence of spraying variables on structure and properties of plasma sprayed alumina coatings. Advances in Applied Ceramics, 2000, 99, 241-247.	0.4	9
118	Influence of process variables on the quality of detonation gun sprayed alumina coatings. Surface and Coatings Technology, 2000, 123, 44-54.	4.8	57
119	Correlation between the characteristics of the mechanically mixed layer and wear behaviour of aluminium, Al-7075 alloy and Al-MMCs. Wear, 2000, 245, 22-38.	3.1	310
120	Study of plasma- and detonation gun-sprayed alumina coatings using taguchi experimental design. Journal of Thermal Spray Technology, 2000, 9, 505-512.	3.1	30
121	Study of Plasma- and Detonation Gun-Sprayed Alumina Coatings Using Taguchi Experimental Design. Journal of Thermal Spray Technology, 2000, 9, 505-512.	3.1	2
122	Abrasive wear behaviour of detonation sprayed WCâ€“Co coatings on mild steel. Surface Engineering, 1999, 15, 129-136.	2.2	23
123	Parametric influence on cut quality attributes and generation of processing maps for laser cutting. Journal of Laser Applications, 1999, 11, 54-63.	1.7	13
124	The Influence of Erosion-Induced Roughness on the Oxidation Kinetics of Ni and Ni-20Cr Alloys. Oxidation of Metals, 1999, 51, 251-272.	2.1	17
125	A Comparative Study of Tribological Behavior of Plasma and D-Gun Sprayed Coatings under Different Wear Modes. Journal of Materials Engineering and Performance, 1998, 7, 343-351.	2.5	44
126	An analysis of the transition from metal erosion to oxide erosion. Wear, 1998, 217, 312-320.	3.1	24

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127	Tribological behaviour of ion deposited ZrN coatings on mild steel substrate. Surface Engineering, 1997, 13, 219-222.	2.2	7
128	Solid particle erosion behaviour of metallic materials at room and elevated temperatures. Tribology International, 1997, 30, 339-359.	5.9	188
129	The sliding wear behaviour of Alî—¸SiC particulate compositesâ€"I. Macrobehaviour. Acta Materialia, 1996, 44, 451-460.	7.9	200
130	The sliding wear behaviour of Alî—¸SiC particulate compositesâ€"II. The characterization of subsurface deformation and correlation with wear behaviour. Acta Materialia, 1996, 44, 461-473.	7.9	193
131	Influence of solid solution and dispersion strengthening meehanismson room temperature erosion behaviour of niekel. Materials Science and Technology, 1995, 11, 791-797.	1.6	7
132	The high speed sliding wear behaviour of boronized medium carbon steel. Surface and Coatings Technology, 1995, 73, 177-184.	4.8	98
133	The influence of plate hardness on the ballistic penetration of thick steel plates. International Journal of Impact Engineering, 1995, 16, 293-320.	5.0	78
134	The solid particle erosion of metallic materials: The rationalization of the influence of material variables. Wear, 1995, 186-187, 129-144.	3.1	43
135	The strain-rate sensitivitity of flow stress and strain-hardening rate in metallic materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 189, 117-127.	5.6	17
136	The solid particle erosion of polymer matrix composites. Wear, 1994, 171, 149-161.	3.1	145
137	The hardness-flow stress correlation in metallic materials. Bulletin of Materials Science, 1994, 17, 747-770.	1.7	41
138	The effect of laser surface melting on the erosion behaviour of a low alloy steel. Surface and Coatings Technology, 1993, 58, 85-92.	4.8	22
139	Effect of particle shape on the erosion of Cu and its alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 165, 51-63.	5.6	36
140	The differential effect of the hardness of metallic materials on their erosion and abrasion resistance. Wear, 1993, 162-164, 773-781.	3.1	22
141	An analysis of the creep embrittlement of Inconel alloy X-750 due to its prior exposure to reduced air pressure at 1150Â°C. Materials at High Temperatures, 1992, 10, 227-236.	1.0	4
142	The erosion behaviour of an aluminium-lithium alloy. Scripta Metallurgica Et Materialia, 1992, 27, 937-942.	1.0	4
143	The penetration of thick steel plates by ogive shaped projectilesâ€"experiment and analysis. International Journal of Impact Engineering, 1992, 12, 373-408.	5.0	25
144	Room temperature erosion behaviour of a precipitation hardened stainless steel. Tribology International, 1992, 25, 271-280.	5.9	23

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145	The effect of participate reinforcement on the sliding wear behavior of aluminum matrix composites. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 2833-2847.	1.4	202
146	Material deformation and fracture under impulsive loading conditions. Bulletin of Materials Science, 1992, 15, 3-25.	1.7	2
147	Effect of Clamping Rigidity of the Armour on Ballistic Performance. Defence Science Journal, 1992, 42, 117-120.	0.8	4
148	An analysis of the erosion-oxidation interaction mechanisms. Wear, 1991, 145, 251-282.	3.1	44
149	The influence of microstructure on the erosion behaviour of cast irons. Wear, 1991, 145, 283-296.	3.1	24
150	Room temperature erosion behaviour of 304, 316 and 410 stainless steels. Wear, 1991, 145, 77-100.	3.1	40
151	A comprehensive model for the solid particle erosion of ductile materials. Wear, 1991, 149, 111-127.	3.1	144
152	A dynamic indentation technique for the characterization of the high strain rate plastic flow behaviour of ductile metals and alloys. Journal of the Mechanics and Physics of Solids, 1991, 39, 243-271.	4.8	80
153	On the constraint factor associated with the indentation of work-hardening materials with a spherical ball. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 22, 2375-2384.	1.4	57
154	The depth of plastic deformation beneath eroded surfaces: The influence of impact angle and velocity, particle shape and material properties. Wear, 1991, 149, 129-153.	3.1	51
155	The influence of grain size on the erosion rate of metals. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 18, 1043-1052.	1.4	0
156	The erosion behavior of 304 stainless steel at elevated temperatures. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 3187-3199.	1.4	20
157	The energy absorbed during the oblique impact of a hard ball against ductile target materials. International Journal of Impact Engineering, 1990, 9, 343-358.	5.0	45
158	The volume of the crater formed by the impact of a ball against flat target materialsâ€" The effect of ball hardness and density. International Journal of Impact Engineering, 1990, 9, 237-246.	5.0	13
159	The nature of the elastic rebound of a hard ball impacting on ductile, metallic target materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1990, 124, 133-140.	5.6	46
160	Erosion efficiency-a new parameter to characterize the dominant erosion micromechanism. Wear, 1990, 140, 369-381.	3.1	119
161	The Monkman-Grant relationship. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 112, 205-214.	5.6	53
162	The solid particle erosion of copper at very low impact velocities. Wear, 1989, 135, 95-108.	3.1	7

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163	An Analysis of the Effect of Environmental Damage on the Creep Fracture of Inconel Alloy Xâ€“750. , 1989, , 1851-1858.		1
164	The influence of grain size on the erosion rate of metals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1987, 18, 1043-1052.	2.2	14
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