

Govindan Sundararajan

List of Publications by Year in descending order

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151
papers

7,217
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57758

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4801
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#	ARTICLE	IF	CITATIONS
1	Effect of monomers content in enhancing solid-state densification of silicon carbide ceramics by aqueous gelcasting and pressureless sintering. <i>Ceramics International</i> , 2017, 43, 4852-4857.	4.8	19
2	Weibull analysis of hardness distribution in detonation sprayed nano-structured WC-12Co coatings. <i>Surface and Coatings Technology</i> , 2017, 319, 394-402.	4.8	25
3	Influence of heat treatment on microstructure and mechanical properties of pulse electrodeposited Ni-W alloy coatings. <i>Surface and Coatings Technology</i> , 2017, 319, 403-414.	4.8	57
4	Microstructureâ€“mechanical property correlation in oxide dispersion strengthened 18Cr ferritic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 708, 451-459.	5.6	30
5	In-situ carbon encapsulation of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ using pillared ethylene glycol trapped in the metal hydroxide interlayers for enhanced cyclic stability. <i>Electrochimica Acta</i> , 2017, 251, 363-377.	5.2	12
6	Effect of Porosity on Structure, Young's Modulus, and Thermal Conductivity of SiC Foams by Direct Foaming and Gelcasting. <i>Journal of the American Ceramic Society</i> , 2017, 100, 312-322.	3.8	62
7	Hot deformation behavior of n-ODS-18Cr steel. <i>Procedia Engineering</i> , 2017, 207, 191-196.	1.2	1
8	Influence of Dispersoids on Corrosion Behavior of Oxide Dispersion-Strengthened 18Cr Steels made by High-Energy Milling. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 577-586.	2.5	11
9	Experimental investigation of grain boundaries misorientations and nano twinning induced strengthening on addition of silicon carbide in pulse electrodeposited nickel tungsten composite coating. <i>Materials Characterization</i> , 2016, 116, 1-7.	4.4	30
10	Indentation creep behavior of cold sprayed aluminum amorphous/nano-crystalline coatings. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 658, 415-421.	5.6	32
11	Influence of mode of electrodeposition, current density and saccharin on the microstructure and hardness of electrodeposited nanocrystalline nickel coatings. <i>Surface and Coatings Technology</i> , 2016, 291, 130-140.	4.8	112
12	Process Optimization for Pulse Reverse Electrodeposition of Graphene-Reinforced Copper Nanocomposites. <i>Materials and Manufacturing Processes</i> , 2016, 31, 1439-1446.	4.7	23
13	Microstructural, phase evolution and corrosion properties of silicon carbide reinforced pulse electrodeposited nickelâ€“tungsten composite coatings. <i>Applied Surface Science</i> , 2016, 364, 264-272.	6.1	54
14	Engineered surfaces for automotive engine and power train components. <i>Current Opinion in Chemical Engineering</i> , 2016, 11, 1-6.	7.8	14
15	Zirconiaâ€“Nanoparticleâ€“Reinforced Morphologyâ€“Engineered Grapheneâ€“Based Foams. <i>Advanced Materials</i> , 2015, 27, 4534-4543.	21.0	28
16	The influence of phase gradient within the micro arc oxidation (MAO) coatings on mechanical and tribological behaviors. <i>Surface and Coatings Technology</i> , 2015, 269, 54-63.	4.8	41
17	Influence of pulsed current on the aqueous corrosion resistance of electrodeposited zinc. <i>Surface and Coatings Technology</i> , 2015, 272, 373-379.	4.8	26
18	Controllable Crystallographic Texture in Copper Foils Exhibiting Enhanced Mechanical and Electrical Properties by Pulse Reverse Electrodeposition. <i>Crystal Growth and Design</i> , 2015, 15, 4448-4458.	3.0	42

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19	Influence of the duration of high energy ball milling on the microstructure and mechanical properties of a 9Cr oxide dispersion strengthened ferriticâ€“martensitic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 620, 490-499.	5.6	22
20	Preparation and characterization of Cu-doped TiO ₂ materials for electrochemical, photoelectrochemical, and photocatalytic applications. <i>Applied Surface Science</i> , 2014, 293, 229-247.	6.1	139
21	Scratch-Induced Deformation Behavior of Cold-Sprayed Aluminum Amorphous/Nanocrystalline Coatings at Multiple Load Scales. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 502-513.	3.1	21
22	Dry sliding wear behavior of cold sprayed aluminum amorphous/nanocrystalline alloy coatings. <i>Surface and Coatings Technology</i> , 2014, 238, 118-125.	4.8	44
23	Microstructure, mechanical properties and machining performance of spark plasma sintered Al ₂ O ₃ â€“ZrO ₂ â€“TiCN nanocomposites. <i>Journal of the European Ceramic Society</i> , 2013, 33, 2597-2607.	5.7	32
24	A Comparison of Mechanical and Tribological Behavior of Nanostructured and Conventional WC-12Co Detonation-Sprayed Coatings. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 478-490.	3.1	9
25	Compositionally modulated CGDS+MAO duplex coatings for corrosion protection of AZ91 magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2013, 578, 355-361.	5.5	27
26	Fabrication and Photoelectrochemical Characterization of Fe, Co, Ni and Cu-Doped TiO ₂ Thin Films. <i>Materials Science Forum</i> , 2013, 764, 266-283.	0.3	8
27	The Elastic Modulus of Cold Spray Coatings: Influence of Inter-splat Boundary Cracking. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 1348-1357.	3.1	44
28	Mechanical Properties of Transparent Polycrystalline Alumina Ceramics Processed Using an Environmentally Benign Thermal Gel Casting Process. <i>Experimental Mechanics</i> , 2013, 53, 123-129.	2.0	7
29	The Corrosion Behavior of Cold Sprayed Zinc Coatings on Mild Steel Substrate. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 463-470.	3.1	83
30	Effect of micro arc oxidation treatment on localized corrosion behaviour of AA7075 aluminum alloy in 3.5% NaCl solution. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 700-710.	4.2	72
31	Sliding wear behavior of nanocrystalline nickel coatings: Influence of grain size. <i>Wear</i> , 2012, 296, 536-546.	3.1	50
32	Understanding dynamic indentation behaviour of metallic materials. <i>Materials Science and Technology</i> , 2012, 28, 1101-1107.	1.6	7
33	Influence of Li-doping on structural characteristics and photocatalytic activity of ZnO nano-powder formed in a novel solution pyro-hydrolysis route. <i>Applied Surface Science</i> , 2012, 259, 524-537.	6.1	44
34	Preparation and characterization of Fe-doped TiO ₂ powders for solar light response and photocatalytic applications. <i>Processing and Application of Ceramics</i> , 2012, 6, 21-36.	0.8	134
35	Preparation and characterization of Co-doped TiO ₂ materials for solar light induced current and photocatalytic applications. <i>Materials Chemistry and Physics</i> , 2012, 135, 220-234.	4.0	99
36	Hydrolysis-Induced Aqueous Gelcasting of Magnesium Aluminate Spinel. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 873-884.	2.1	8

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37	Optimizing mechanical properties of spark plasma sintered ZTA using neural network and genetic algorithm. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 529, 492-496.	5.6	6
38	Electrically conductive carbon nanopipe-graphite nanosheet/polyaniline composites. <i>Carbon</i> , 2011, 49, 5239-5245.	10.3	32
39	The influence of process parameters and heat treatment on the properties of cold sprayed silver coatings. <i>Surface and Coatings Technology</i> , 2011, 205, 4798-4807.	4.8	55
40	The Influence of Powder Particle Velocity and Microstructure on the Properties of Cold Sprayed Copper Coatings. <i>Journal of Thermal Spray Technology</i> , 2011, 20, 1009-1021.	3.1	53
41	Influence of chemical composition on sintering ability of ZTA ceramics consolidated from freeze dried granules. <i>Ceramics International</i> , 2011, 37, 835-841.	4.8	11
42	Influence of prior corrosion on the high cycle fatigue behavior of microarc oxidation coated 6061-T6 Aluminum alloy. <i>International Journal of Fatigue</i> , 2011, 33, 1268-1276.	5.7	29
43	The influence of erodent hardness on the erosion behavior of detonation sprayed WC-12Co coatings. <i>Wear</i> , 2011, 270, 903-913.	3.1	56
44	Influence of Grit Blasting on the Roughness and the Bond Strength of Detonation Sprayed Coating. <i>Journal of Thermal Spray Technology</i> , 2010, 19, 805-815.	3.1	28
45	Evaluation of Parameters for Assessment of Inter-Splat Bond Strength in Cold-Sprayed Coatings. <i>Journal of Thermal Spray Technology</i> , 2010, 19, 1255-1266.	3.1	44
46	The tribological behaviour of detonation sprayed TiMo(CN) based cermet coatings. <i>International Journal of Refractory Metals and Hard Materials</i> , 2010, 28, 71-81.	3.8	13
47	Abrasive wear behavior of detonation sprayed WC-12Co coatings: Influence of decarburization and abrasive characteristics. <i>Wear</i> , 2010, 268, 1387-1399.	3.1	65
48	Influence of processing route on microstructure and mechanical properties of MgAl ₂ O ₄ spinel. <i>Ceramics International</i> , 2010, 36, 473-482.	4.8	58
49	A novel colloidal processing route to alumina ceramics. <i>Ceramics International</i> , 2010, 36, 1357-1364.	4.8	33
50	Effect of Applied Stress on IR transmission of Spark Plasma Sintered Alumina. <i>Journal of the American Ceramic Society</i> , 2010, 93, 951-953.	3.8	10
51	Hydrolysis Induced Aqueous Gelcasting of SiAlON ₂ Ceramic Composites: The Effect of AlN Additive. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3180-3189.	3.8	15
52	Highly (111) Textured Copper Foils with High Hardness and High Electrical Conductivity by Pulse Reverse Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, D40.	2.2	23
53	The dynamic indentation behavior of steel at large depths of penetration. <i>Journal of Materials Research</i> , 2009, 24, 691-703.	2.6	2
54	Detonation sprayed WC-Co coatings: unique aspects of their structure and mechanical behaviour. <i>Transactions of the Indian Institute of Metals</i> , 2009, 62, 95-103.	1.5	10

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55	Effect of grinding on plain fatigue and fretting fatigue behaviour of detonation gun sprayed Cu-Ni-In coating on Al-Mg-Si alloy. International Journal of Fatigue, 2009, 31, 791-796.	5.7	18
56	Influence of Chemical Composition and Y_2O_3 on Sinterability, Dielectric Constant, and CTE of γ -SiAlON. Journal of the American Ceramic Society, 2008, 91, 115-120.	3.8	21
57	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
58	Performance of plasma sprayed and detonation gun sprayed Cu-Ni-In coatings on Ti-6Al-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
59	Dense γ -SiAlONs consolidated by a modified hydrolysis-assisted solidification route. Journal of the European Ceramic Society, 2008, 28, 879-885.	5.7	22
60	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
61	Processing-structure-property correlation and decarburization phenomenon in detonation sprayed WC-12Co coatings. Acta Materialia, 2008, 56, 5012-5026.	7.9	111
62	Influence of microarc oxidation and hard anodizing on plain fatigue and fretting fatigue behaviour of Al-Mg-Si alloy. Surface and Coatings Technology, 2008, 202, 1462-1469.	4.8	64
63	Electro-spark coatings for enhanced performance of twist drills. Surface and Coatings Technology, 2008, 202, 1636-1644.	4.8	19
64	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
65	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
66	Tribo-Corrosion 2006-A passage to India to celebrate the 1st International Conference on Tribo-Corrosion. Tribology International, 2008, 41, 571-572.	5.9	0
67	Effect of microarc oxidised layer thickness on plain fatigue and fretting fatigue behaviour of Al-Mg-Si alloy. International Journal of Fatigue, 2008, 30, 1259-1266.	5.7	22
68	An Aqueous Gelcasting Route to Dense γ -SiAl ₂ O ₂ N ₆ -0.5SiO ₂ Ceramics. Journal of the American Ceramic Society, 2008, 91, 1566-1571.	3.8	21
69	Formation and Densification Behavior of Mullite Aggregates from Beach Sand Sillimanite. Journal of the American Ceramic Society, 2008, 91, 2464-2468.	3.8	4
70	Aqueous Gelcasting Process for γ -Si ₄ Al ₂ O ₂ N ₆ Ceramics. Journal of the American Ceramic Society, 2008, 91, 3121-3124.	3.8	12
71	Chemisorption of Phosphoric Acid and Surface Characterization of As Passivated AlN Powder Against Hydrolysis. Langmuir, 2008, 24, 5359-5365.	3.5	27
72	Influence of processing route and SiO ₂ on sintering ability, CTE, and dielectric constant of γ -Si ₄ Al ₂ O ₂ N ₆ . Journal of Materials Research, 2008, 23, 2305-2311.	2.6	5

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73	Deposition of diamond-like carbon films on aluminium substrates by RF-PECVD technique: Influence of process parameters. <i>Diamond and Related Materials</i> , 2007, 16, 90-97.	3.9	40
74	Effect of heat treatment on properties of cold sprayed nanocrystalline copper alumina coatings. <i>Acta Materialia</i> , 2007, 55, 4741-4751.	7.9	116
75	Effect of Feedstock Size and its Distribution on the Properties of Detonation Sprayed Coatings. <i>Journal of Thermal Spray Technology</i> , 2007, 16, 281-290.	3.1	32
76	Effect of Process Parameters and Heat Treatments on Properties of Cold Sprayed Copper Coatings. <i>Journal of Thermal Spray Technology</i> , 2007, 16, 425-434.	3.1	110
77	Influence of Substrate Material on Plain Fatigue and Fretting Fatigue Behavior of Detonation Gun Sprayed Cu-Ni-In Coating. <i>Journal of Thermal Spray Technology</i> , 2007, 16, 571-579.	3.1	13
78	The localization of plastic flow under dynamic indentation conditions: II. Analysis of results. <i>Acta Materialia</i> , 2006, 54, 577-586.	7.9	22
79	The localization of plastic flow under dynamic indentation conditions: I. Experimental results. <i>Acta Materialia</i> , 2006, 54, 565-575.	7.9	43
80	Effect of detonation gun sprayed Cu-Ni-In coating on plain fatigue and fretting fatigue behaviour of Al-Mg-Si alloy. <i>Surface and Coatings Technology</i> , 2006, 201, 1548-1558.	4.8	19
81	Boride layer growth kinetics during boriding of molybdenum by the Spark Plasma Sintering (SPS) technology. <i>Surface and Coatings Technology</i> , 2006, 201, 2849-2853.	4.8	34
82	A comparative study of tribological behavior of microarc oxidation and hard-anodized coatings. <i>Wear</i> , 2006, 261, 1095-1101.	3.1	121
83	Influence of process parameters during pulsed Nd:YAG laser cutting of nickel-base superalloys. <i>Journal of Materials Processing Technology</i> , 2005, 170, 229-239.	6.3	146
84	A statistical approach to determine process parameter impact in Nd:YAG laser drilling of IN718 and Ti-6Al-4V sheets. <i>Optics and Lasers in Engineering</i> , 2005, 43, 163-182.	3.8	70
85	Formation of hard tungsten boride layer by spark plasma sintering boriding. <i>Thin Solid Films</i> , 2005, 478, 232-237.	1.8	65
86	FeB/FeB phase transformation during SPS pack-boriding: Boride layer growth kinetics. <i>Acta Materialia</i> , 2005, 53, 2361-2368.	7.9	204
87	The tribological behaviour of detonation sprayed coatings: the importance of coating process parameters. <i>Wear</i> , 2005, 258, 377-391.	3.1	38
88	Coatability and Characterization of Fly Ash Deposited on Mild Steel by Detonation Spraying. <i>Journal of Thermal Spray Technology</i> , 2003, 12, 77-79.	3.1	22
89	Mechanisms underlying the formation of thick alumina coatings through the MAO coating technology. <i>Surface and Coatings Technology</i> , 2003, 167, 269-277.	4.8	430
90	Boriding of mild steel using the spark plasma sintering (SPS) technique. <i>Surface and Coatings Technology</i> , 2002, 157, 226-230.	4.8	49

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91	Influence of the pack thickness of the boronizing mixture on the boriding of steel. <i>Surface and Coatings Technology</i> , 2002, 149, 21-26.	4.8	183
92	Geometrical features and metallurgical characteristics of Nd:YAG laser drilled holes in thick IN718 and Ti-6Al-4V sheets. <i>Journal of Materials Processing Technology</i> , 2002, 127, 83-95.	6.3	162
93	The influence of sample geometry on the friction behaviour of carbon-carbon composites. <i>Acta Materialia</i> , 2002, 50, 1153-1163.	7.9	22
94	Experimental design and performance analysis of alumina coatings deposited by a detonation spray process. <i>Journal Physics D: Applied Physics</i> , 2001, 34, 131-140.	2.8	28
95	Influence of spraying variables on structure and properties of plasma sprayed alumina coatings. <i>Advances in Applied Ceramics</i> , 2000, 99, 241-247.	0.4	9
96	Influence of process variables on the quality of detonation gun sprayed alumina coatings. <i>Surface and Coatings Technology</i> , 2000, 123, 44-54.	4.8	57
97	Correlation between the characteristics of the mechanically mixed layer and wear behaviour of aluminium, Al-7075 alloy and Al-MMCs. <i>Wear</i> , 2000, 245, 22-38.	3.1	310
98	Application of Taguchi Method to the Optimization of Detonation Spraying Process. <i>Materials and Manufacturing Processes</i> , 2000, 15, 139-153.	4.7	8
99	Abrasive wear behaviour of detonation sprayed WC-Co coatings on mild steel. <i>Surface Engineering</i> , 1999, 15, 129-136.	2.2	23
100	Parametric influence on cut quality attributes and generation of processing maps for laser cutting. <i>Journal of Laser Applications</i> , 1999, 11, 54-63.	1.7	13
101	A Comparative Study of Tribological Behavior of Plasma and D-Gun Sprayed Coatings under Different Wear Modes. <i>Journal of Materials Engineering and Performance</i> , 1998, 7, 343-351.	2.5	44
102	An analysis of the transition from metal erosion to oxide erosion. <i>Wear</i> , 1998, 217, 312-320.	3.1	24
103	Tribological behaviour of ion deposited ZrN coatings on mild steel substrate. <i>Surface Engineering</i> , 1997, 13, 219-222.	2.2	7
104	Solid particle erosion behaviour of metallic materials at room and elevated temperatures. <i>Tribology International</i> , 1997, 30, 339-359.	5.9	188
105	The sliding wear behaviour of Al ₂ O ₃ -SiC particulate composites-I. Macrobehaviour. <i>Acta Materialia</i> , 1996, 44, 451-460.	7.9	200
106	The sliding wear behaviour of Al ₂ O ₃ -SiC particulate composites-II. The characterization of subsurface deformation and correlation with wear behaviour. <i>Acta Materialia</i> , 1996, 44, 461-473.	7.9	193
107	Influence of solid solution and dispersion strengthening mechanisms on room temperature erosion behaviour of nickel. <i>Materials Science and Technology</i> , 1995, 11, 791-797.	1.6	7
108	The high speed sliding wear behaviour of boronized medium carbon steel. <i>Surface and Coatings Technology</i> , 1995, 73, 177-184.	4.8	98

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109	The influence of plate hardness on the ballistic penetration of thick steel plates. <i>International Journal of Impact Engineering</i> , 1995, 16, 293-320.	5.0	78
110	Evidence of accelerated thermal cycling test schedules influencing the ranking of zirconia-base thermal barrier coatings. <i>Journal of Thermal Spray Technology</i> , 1995, 4, 275-279.	3.1	0
111	The strain-rate sensitivity of flow stress and strain-hardening rate in metallic materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 189, 117-127.	5.6	17
112	The solid particle erosion of polymer matrix composites. <i>Wear</i> , 1994, 171, 149-161.	3.1	145
113	The hardness-flow stress correlation in metallic materials. <i>Bulletin of Materials Science</i> , 1994, 17, 747-770.	1.7	41
114	The effect of laser surface melting on the erosion behaviour of a low alloy steel. <i>Surface and Coatings Technology</i> , 1993, 58, 85-92.	4.8	22
115	Effect of particle shape on the erosion of Cu and its alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993, 165, 51-63.	5.6	36
116	An analysis of the creep embrittlement of Inconel alloy X-750 due to its prior exposure to reduced air pressure at 1150Å°C. <i>Materials at High Temperatures</i> , 1992, 10, 227-236.	1.0	4
117	The erosion behaviour of an aluminium-lithium alloy. <i>Scripta Metallurgica Et Materialia</i> , 1992, 27, 937-942.	1.0	4
118	The penetration of thick steel plates by ogive shaped projectilesâ€™ experiment and analysis. <i>International Journal of Impact Engineering</i> , 1992, 12, 373-408.	5.0	25
119	Room temperature erosion behaviour of a precipitation hardened stainless steel. <i>Tribology International</i> , 1992, 25, 271-280.	5.9	23
120	Material deformation and fracture under impulsive loading conditions. <i>Bulletin of Materials Science</i> , 1992, 15, 3-25.	1.7	2
121	Effect of Clamping Rigidity of the Armour on Ballistic Performance. <i>Defence Science Journal</i> , 1992, 42, 117-120.	0.8	4
122	An analysis of the erosion-oxidation interaction mechanisms. <i>Wear</i> , 1991, 145, 251-282.	3.1	44
123	The influence of microstructure on the erosion behaviour of cast irons. <i>Wear</i> , 1991, 145, 283-296.	3.1	24
124	Room temperature erosion behaviour of 304, 316 and 410 stainless steels. <i>Wear</i> , 1991, 145, 77-100.	3.1	40
125	A comprehensive model for the solid particle erosion of ductile materials. <i>Wear</i> , 1991, 149, 111-127.	3.1	144
126	A dynamic indentation technique for the characterization of the high strain rate plastic flow behaviour of ductile metals and alloys. <i>Journal of the Mechanics and Physics of Solids</i> , 1991, 39, 243-271.	4.8	80

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127	The depth of plastic deformation beneath eroded surfaces: The influence of impact angle and velocity, particle shape and material properties. <i>Wear</i> , 1991, 149, 129-153.	3.1	51
128	The energy absorbed during the oblique impact of a hard ball against ductile target materials. <i>International Journal of Impact Engineering</i> , 1990, 9, 343-358.	5.0	45
129	The volume of the crater formed by the impact of a ball against flat target materials” The effect of ball hardness and density. <i>International Journal of Impact Engineering</i> , 1990, 9, 237-246.	5.0	13
130	The nature of the elastic rebound of a hard ball impacting on ductile, metallic target materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1990, 124, 133-140.	5.6	46
131	Erosion efficiency-a new parameter to characterize the dominant erosion micromechanism. <i>Wear</i> , 1990, 140, 369-381.	3.1	119
132	On the anomalous flow behaviour of nickel aluminide. <i>Scripta Metallurgica Et Materialia</i> , 1990, 24, 257-262.	1.0	5
133	The Monkman-Grant relationship. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1989, 112, 205-214.	5.6	53
134	The solid particle erosion of copper at very low impact velocities. <i>Wear</i> , 1989, 135, 95-108.	3.1	7
135	An analysis of the transient stage in low stress viscous creep. <i>Acta Metallurgica</i> , 1988, 36, 2167-2181.	2.1	13
136	A new model for two-body abrasive wear based on the localization of plastic deformation. <i>Wear</i> , 1987, 117, 1-35.	3.1	30
137	The oblique impact of a hard ball against ductile, semi-infinite target materials” experiment and analysis. <i>International Journal of Impact Engineering</i> , 1987, 6, 3-22.	5.0	44
138	The effect of matrix constraint on intergranular cavity growth mechanism maps. <i>Materials Science and Engineering</i> , 1987, 92, 113-126.	0.1	1
139	A comprehensive analysis of the static indentation process. <i>Materials Science and Engineering</i> , 1987, 91, 169-180.	0.1	35
140	Evaluation of microhardness correction procedures. <i>Wear</i> , 1986, 110, 183-202.	3.1	4
141	Erosion behaviour of ductile materials with a spherical non-friable erodent. <i>Wear</i> , 1986, 111, 313-323.	3.1	36
142	The effect of stacking fault energy on the erosion behaviour of copper alloys at oblique impact. <i>Wear</i> , 1985, 103, 133-148.	3.1	20
143	Continuous cavity nucleation and creep ductility. <i>Scripta Metallurgica</i> , 1985, 19, 1141-1146.	1.2	6
144	On the correlation of erosion and wear resistance of pure metals with their mechanical and thermophysical properties. <i>Scripta Metallurgica</i> , 1985, 19, 347-352.	1.2	4

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145	An empirical relation for the volume of the crater formed during high velocity oblique impact tests. <i>Wear</i> , 1984, 97, 9-16.	3.1	10
146	The effect of temperature on solid particle erosion. <i>Wear</i> , 1984, 98, 141-149.	3.1	8
147	Correlation between erosion behaviour and stacking fault energy in copper alloys. <i>Acta Metallurgica</i> , 1984, 32, 1305-1316.	2.1	34
148	The use of dynamic impact experiments in the determination of the strain rate sensitivity of metals and alloys. <i>Acta Metallurgica</i> , 1983, 31, 101-109.	2.1	35
149	An analysis of the localization of deformation and weight loss during single-particle normal impact. <i>Wear</i> , 1983, 84, 217-235.	3.1	39
150	A new model for the erosion of metals at normal incidence. <i>Wear</i> , 1983, 84, 237-258.	3.1	177
151	The saturation of flow stress in FCC metals. <i>Scripta Metallurgica</i> , 1982, 16, 611-614.	1.2	10