

# Lars Nyborg

## List of Publications by Year in descending order

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143  
papers

3,272  
citations

147801  
31  
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197818  
49  
g-index

143  
all docs

143  
docs citations

143  
times ranked

3413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stoichiometric vanadium oxides studied by XPS. Surface and Interface Analysis, 2012, 44, 1022-1025.	1.8	301
2	Selective band gap manipulation of graphene oxide by its reduction with mild reagents. Carbon, 2015, 93, 967-973.	10.3	186
3	Surface composition of the steel powders pre-alloyed with manganese. Applied Surface Science, 2010, 256, 3946-3961.	6.1	104
4	Influence of temperature on the atmospheric corrosion of the Mg-Al alloy AM50. Corrosion Science, 2015, 90, 420-433.	6.6	96
5	Influence of Coolant Flow Rate on Tool Life and Wear Development in Cryogenic and Wet Milling of Ti-6Al-4V. Procedia CIRP, 2016, 46, 91-94.	1.9	81
6	An FEM-based approach for tool wear estimation in machining. Wear, 2016, 368-369, 10-24.	3.1	75
7	Effect of argon and nitrogen atmospheres on the properties of stainless steel 316L parts produced by laser-powder bed fusion. Materials and Design, 2019, 179, 107873.	7.0	73
8	XPS calibration study of thin-film nickel silicides. Surface and Interface Analysis, 2009, 41, 471-483.	1.8	71
9	The effect of cold ring rolling on the evolution of microstructure and texture in 100Cr6 steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2431-2436.	5.6	65
10	X-ray photoelectron spectroscopy studies of indium tin oxide nanocrystalline powder. Materials Characterization, 2005, 54, 1-7.	4.4	61
11	Surface chemical analysis of prealloyed water atomised steel powder. Powder Metallurgy, 2005, 48, 51-58.	1.7	59
12	Characterization of surface oxides on water-atomized steel powder by XPS/AES depth profiling and nano-scale lateral surface analysis. Applied Surface Science, 2013, 268, 496-506.	6.1	56
13	Effect of process parameters on surface oxides on chromium-alloyed steel powder during sintering. Materials Chemistry and Physics, 2013, 138, 405-415.	4.0	56
14	Thickness determination of oxide layers on spherically-shaped metal powders by ESCA. Surface and Interface Analysis, 1988, 12, 110-114.	1.8	52
15	XPS study of carboxylic acid layers on oxidized metals with reference to particulate materials. Surface and Interface Analysis, 2003, 35, 375-381.	1.8	50
16	XRD and XPS characterisation of transition metal silicide thin films. Surface Science, 2012, 606, 329-336.	1.9	50
17	On-line control of processing atmospheres for proper sintering of oxidation-sensitive PM steels. Journal of Materials Processing Technology, 2012, 212, 977-987.	6.3	50
18	Sputter deposition and XPS analysis of nickel silicide thin films. Surface and Coatings Technology, 2009, 203, 2886-2890.	4.8	49

#	ARTICLE	IF	CITATIONS
19	Effect of Powder Recycling in Electron Beam Melting on the Surface Chemistry of Alloy 718 Powder. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4410-4422.	2.2	48
20	Increasing the Productivity of Laser Powder Bed Fusion for Stainless Steel 316L through Increased Layer Thickness. Journal of Materials Engineering and Performance, 2021, 30, 575-584.	2.5	47
21	Surface chemical state of Ti powders and its alloys: Effect of storage conditions and alloy composition. Applied Surface Science, 2016, 388, 294-303.	6.1	45
22	Critical Aspects of Alloying of Sintered Steels with Manganese. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 2880-2897.	2.2	44
23	An Experimental Investigation of Machinability of Graphitic Cast Iron Grades; Flake, Compacted and Spheroidal Graphite Iron in Continuous Machining Operations. Procedia CIRP, 2012, 1, 488-493.	1.9	41
24	Inverse identification of flow stress in metal cutting process using Response Surface Methodology. Simulation Modelling Practice and Theory, 2016, 60, 40-53.	3.8	40
25	NaCl-Induced Atmospheric Corrosion of the MgAl Alloy AM50-The Influence of CO <sub>2</sub> . Journal of the Electrochemical Society, 2014, 161, C277-C287.	2.9	39
26	Argon-helium mixtures as Laser-Powder Bed Fusion atmospheres: Towards increased build rate of Ti-6Al-4V. Journal of Materials Processing Technology, 2020, 279, 116555.	6.3	39
27	Influence of friction models on FE simulation results of orthogonal cutting process. International Journal of Advanced Manufacturing Technology, 2017, 88, 3217-3232.	3.0	38
28	Oxide Transformation in Cr-Mn-Prealloyed Sintered Steels: Thermodynamic and Kinetic Aspects. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 1736-1747.	2.2	37
29	Surface chemistry of the titanium powder studied by XPS using internal standard reference. Powder Metallurgy, 2017, 60, 42-48.	1.7	35
30	Effect of atomization on surface oxide composition in 316L stainless steel powders for additive manufacturing. Surface and Interface Analysis, 2020, 52, 694-706.	1.8	33
31	Surface Reactions During Water Atomisation and Sintering of Austenitic Stainless Steel Powder. Powder Metallurgy, 1995, 38, 120-130.	1.7	32
32	Surface Analysis of Gas Atomized Ferritic Steel Powder. Powder Metallurgy, 1985, 28, 237-243.	1.7	31
33	Effect of pre-treatment and nickel layer thickness on nickel silicide/silicon carbide contact. Applied Surface Science, 2005, 241, 392-402.	6.1	31
34	Electron Beam Melting Manufacturing Technology for Individually Manufactured Jaw Prosthesis: A Case Report. Journal of Oral and Maxillofacial Surgery, 2016, 74, 1706.e1-1706.e15.	1.2	31
35	Influence of running-in on surface characteristics of efficiency tested ground gears. Tribology International, 2017, 115, 45-58.	5.9	30
36	Methodology for evaluating effects of material characteristics on machinability—theory and statistics-based modelling applied on Alloy 718. International Journal of Advanced Manufacturing Technology, 2012, 59, 55-66.	3.0	29

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37	MWNT reinforced melamine-formaldehyde containing alpha-cellulose. Composites Science and Technology, 2007, 67, 844-854.	7.8	28
38	Critical aspects of sinter-hardening of prealloyed Crâ€“Mo steel. Journal of Materials Processing Technology, 2010, 210, 1180-1189.	6.3	26
39	Wear Mechanism of CBN Inserts During Machining of Bimetal Aluminum-grey Cast Iron Engine Block. Procedia CIRP, 2013, 8, 188-193.	1.9	24
40	Study of reaction process on Ni/4Hâ€“SiC contact. Materials Science and Technology, 2006, 22, 1227-1234.	1.6	23
41	Characterization of the surface of Feâ€“19Mnâ€“18Crâ€“Câ€“N during heat treatment in a high vacuum â€” An XPS study. Materials Characterization, 2012, 71, 66-76.	4.4	23
42	Development of methodology for surface analysis of soft magnetic composite powders. Surface and Interface Analysis, 2012, 44, 1166-1170.	1.8	23
43	Effect of Powder Recycling on Defect Formation in Electron Beam Melted Alloy 718. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 2430-2443.	2.2	23
44	Galling related surface properties of powder metallurgical tool steels alloyed with and without nitrogen. Wear, 2010, 269, 229-240.	3.1	22
45	The effects of grain size and feed rate on notch wear and burr formation in wrought Alloy 718. International Journal of Advanced Manufacturing Technology, 2013, 67, 1501-1507.	3.0	22
46	Effect of heat treatment in air on surface composition of iron-phosphate based soft magnetic composite components. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 189, 90-99.	3.5	22
47	An XPS investigation on the thermal stability of the insulating surface layer of soft magnetic composite powder. Surface and Interface Analysis, 2016, 48, 445-450.	1.8	22
48	Understanding the microstructure-properties relationship of low-temperature carburized austenitic stainless steels through EBSD analysis. Surface and Coatings Technology, 2017, 322, 141-151.	4.8	21
49	Evaluation of the thickness and roughness of homogeneous surface layers on spherical and irregular powder particles. Surface and Interface Analysis, 2014, 46, 1028-1032.	1.8	20
50	Guide to Injection Moulding of Ceramics and Hardmetals: Special Consideration of Fine Powder. Powder Metallurgy, 1998, 41, 41-45.	1.7	19
51	Carbon control in PM sintering: industrial applications and experience. Powder Metallurgy, 2013, 56, 5-10.	1.7	19
52	Changes in the surface chemistry of chromium-alloyed powder metallurgical steel during delubrication and their impact on sintering. Journal of Materials Processing Technology, 2015, 223, 171-185.	6.3	19
53	Surface composition of iron oxide catalysts used for styrene production: an Auger electron spectroscopy/scanning electron microscopy study. Industrial & Engineering Chemistry Research, 1993, 32, 2500-2505.	3.7	18
54	Surface phenomena during the early stages of sintering in steels modified with Feâ€“Mnâ€“Siâ€“C master alloys. Materials Characterization, 2013, 86, 80-91.	4.4	18

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55	Thermogravimetry study of the effectiveness of different reducing agents during sintering of Cr-prealloyed PM steels. Journal of Thermal Analysis and Calorimetry, 2014, 118, 825-834.	3.6	18
56	Influence of Ag addition on the microstructure and properties of copper-alumina composites prepared by internal oxidation. Journal of Alloys and Compounds, 2017, 722, 962-969.	5.5	18
57	Machinability of compacted graphite iron (CGI) and flake graphite iron (FGI) with coated carbide. International Journal of Machining and Machinability of Materials, 2013, 13, 67.	0.1	17
58	Enhanced Densification of PM Steels by Liquid Phase Sintering with Boron-Containing Master Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 255-263.	2.2	17
59	Surface modification of Ti-6Al-4V powder during recycling in EBM process. Surface and Interface Analysis, 2020, 52, 1066-1070.	1.8	17
60	XPS study of surface-active organic compounds on fine ferrous powder. Surface and Interface Analysis, 2000, 30, 333-336.	1.8	16
61	Microstructural evolution during fracture induced by high strain rate deformation of 100Cr6 steel. Journal of Materials Processing Technology, 2009, 209, 3325-3334.	6.3	16
62	Quantitative phase analysis and thickness measurement of surface-oxide layers in metal and alloy powders by the chemical-granular method. Applied Surface Science, 1998, 133, 129-147.	6.1	15
63	Effect of silicon, vanadium and nickel on microstructure of liquid phase sintered M3/2 grade high speed steel. Powder Metallurgy, 2005, 48, 33-38.	1.7	15
64	Effects of workpiece microstructure, mechanical properties and machining conditions on tool wear when milling compacted graphite iron. Wear, 2018, 410-411, 190-201.	3.1	15
65	Analysis of Iron Oxide Reduction Kinetics in the Nanometric Scale Using Hydrogen. Nanomaterials, 2020, 10, 1276.	4.1	15
66	In-situ detection of redeposited spatter and its influence on the formation of internal flaws in laser powder bed fusion. Additive Manufacturing, 2021, 47, 102370.	3.0	15
67	Surface Analysis of PM Martensitic Steel Before and After Consolidation: Part 1: Surface Analysis of Powder. Powder Metallurgy, 1988, 31, 33-39.	1.7	14
68	Quantitative AES depth profiling of iron and chromium oxides in solid solution, (Cr <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> . Surface and Interface Analysis, 2002, 34, 234-238.	1.8	14
69	Corrosion properties of thermally annealed and co-sputtered nickel silicide thin films. Surface and Coatings Technology, 2011, 206, 1160-1167.	4.8	14
70	Wear Evaluation on Ni3Al/MnS Composite Related to Metallurgical Processes. Journal of Iron and Steel Research International, 2012, 19, 46-54.	2.8	13
71	Thermal decomposition of N-expanded austenite in 304L and 904L steels. Surface Engineering, 2017, 33, 319-326.	2.2	13
72	Effect of Running-In (Load and Speed) on Surface Characteristics of Honed Gears. Tribology Transactions, 2019, 62, 412-418.	2.0	13

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73	Low-temperature carburized high-alloyed austenitic stainless steels in PEMFC cathodic environment. Surfaces and Interfaces, 2021, 24, 101093.	3.0	13
74	Surface chemical analysis of copper powder used in additive manufacturing. Surface and Interface Analysis, 2020, 52, 1104-1110.	1.8	12
75	Characteristics of a modified H13 hot-work tool steel fabricated by means of laser beam powder bed fusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 831, 142322.	5.6	12
76	Sintering behaviour of compacted water-atomised iron powder: effect of initial state and processing conditions. Powder Metallurgy, 2020, 63, 338-348.	1.7	11
77	Residual stress analysis of machined lead-free and lead-containing brasses. Materials Science and Technology, 2016, 32, 1789-1793.	1.6	10
78	Liquid phase sintering of ferrous powder by carbon and phosphorus control. Powder Metallurgy, 2003, 46, 265-270.	1.7	9
79	Effect of vacuum annealing and nitrogen alloying on gas atomised M4 high speed steel powder. Powder Metallurgy, 2006, 49, 48-56.	1.7	9
80	Liquid Phase Sintering of Ferrous Powder Metallurgical Materials. Journal of Iron and Steel Research International, 2007, 14, 70-76.	2.8	9
81	Investigation of Ni/Ta contacts on 4H silicon carbide upon thermal annealing. Applied Surface Science, 2007, 254, 139-142.	6.1	9
82	Corrosion of stainless steels in simulated diesel exhaust environment with urea. Materials and Corrosion - Werkstoffe Und Korrosion, 2012, 63, 388-395.	1.5	9
83	Surface Preparation of Powder Metallurgical Tool Steels by Means of Wire Electrical Discharge Machining. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3215-3226.	2.2	9
84	Effectiveness of reducing agents during sintering of Cr-prealloyed PM steels. Powder Metallurgy, 2014, 57, 245-250.	1.7	9
85	Development of methodology for surface characterization of vanadium containing slag. Surface and Interface Analysis, 2014, 46, 984-988.	1.8	9
86	Dissolution of carbon in Cr-prealloyed PM steels: effect of carbon source. Powder Metallurgy, 2015, 58, 7-11.	1.7	9
87	Moisture content analysis of metal powders using oven desorption followed by Karl Fischer titration. Metal Powder Report, 2020, 75, 34-39.	0.1	9
88	The effect of boron and zirconium on the microcracking susceptibility of IN-738LC derivatives in laser powder bed fusion. Applied Surface Science, 2022, 573, 151541.	6.1	9
89	Linking In Situ Melt Pool Monitoring to Melt Pool Size Distributions and Internal Flaws in Laser Powder Bed Fusion. Metals, 2021, 11, 1856.	2.3	9
90	Effect of carbon and phosphorus addition on sintered density and effect of carbon removal on mechanical properties of high density sintered steel. Materials Science and Technology, 2004, 20, 705-710.	1.6	8

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91	Machinability of CuZn21Si3P brass. Materials Science and Technology, 2016, 32, 1744-1750.	1.6	8
92	COPGLOW and XPS investigation of recycled metal powder for selective laser melting. Powder Metallurgy, 2017, 60, 223-231.	1.7	8
93	Experimental and finite element simulation study of capsule-free hot isostatic pressing of sintered gears. International Journal of Advanced Manufacturing Technology, 2018, 99, 1725-1733.	3.0	8
94	Reduction of surface oxide layers on water-atomized iron and steel powder in hydrogen: Effect of alloying elements and initial powder state. Thermochimica Acta, 2020, 692, 178731.	2.7	8
95	Oxide reduction and oxygen removal in water-atomized iron powder: a kinetic study. Journal of Thermal Analysis and Calorimetry, 2020, 142, 309-320.	3.6	8
96	A neural network for identification and classification of systematic internal flaws in laser powder bed fusion. CIRP Journal of Manufacturing Science and Technology, 2022, 37, 312-318.	4.5	8
97	Effect of Density and Processing Conditions on Oxide Transformations and Mechanical Properties in Cr-Mo-Alloyed PM steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 640-652.	2.2	8
98	Optimising grey iron powder compacts. Powder Metallurgy, 2009, 52, 291-297.	1.7	7
99	Thin film characterisation of chromium disilicide. Surface Science, 2013, 609, 152-156.	1.9	7
100	Effect of Active Components of Sintering Atmosphere on Reduction/Oxidation Processes During Sintering of Cr-Alloyed PM Steels. Journal of the American Ceramic Society, 2015, 98, 3561-3568.	3.8	7
101	Nitrogen uptake of nickel free austenitic stainless steel powder during heat treatment-an XPS study. Surface and Interface Analysis, 2015, 47, 413-422.	1.8	7
102	Reactivity of Carbon Based Materials for Powder Metallurgy Parts and Hard Metal Powders Manufacturing. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 548-554.	0.2	7
103	Surface analysis of iron and steel nanopowder. Surface and Interface Analysis, 2018, 50, 1083-1088.	1.8	7
104	On surface carbides in low-temperature carburized austenitic stainless steels. Materials Characterization, 2020, 167, 110462.	4.4	7
105	Effect of Nanopowder Addition on the Sintering of Water-Atomized Iron Powder. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4890-4901.	2.2	7
106	Sintering of bimodal micrometre/nanometre iron powder compacts - A master sintering curve approach. Powder Technology, 2021, 391, 557-568.	4.2	7
107	Quantitative XPS depth profiling for nickel/4H-SiC contact with layered structure. Surface and Interface Analysis, 2006, 38, 748-751.	1.8	6
108	Tailoring of nickel silicide contacts on silicon carbide. Applied Surface Science, 2007, 254, 135-138.	6.1	6

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109	Corrosion behaviour of amorphous Ni–Si thin films on AISI 304L stainless steel. <i>Materials at High Temperatures</i> , 2009, 26, 177-186.	1.0	6
110	Rheological and Thermal Properties of a Model System for PIM. <i>International Polymer Processing</i> , 2009, 24, 206-212.	0.5	6
111	Segregants at Prior Particle Boundaries in Powder Metallurgical Martensitic Stainless Steel. <i>Powder Metallurgy</i> , 1998, 41, 31-39.	1.7	5
112	Optimizing the synthesis of ultrafine tungsten carbide powders by effective combinations of carbon sources and atmospheres. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017, 63, 9-16.	3.8	5
113	Effect of Surface Sandblasting and Turning on Compressive Strength of Thin 316L Stainless Steel Shells Produced by Laser Powder Bed Fusion. <i>Metals</i> , 2021, 11, 1070.	2.3	5
114	Isothermal grain growth in mechanically alloyed nanostructured Fe80Ti8B12 alloy. <i>Materials Letters</i> , 2003, 57, 3671-3675.	2.6	4
115	Contact Formation on Silicon Carbide by Use of Nickel and Tantalum in a Materials Science Point of View. , 0, , .		4
116	Multi-technique characterization of low-temperature plasma nitrided austenitic AISI 304L and AISI 904L stainless steel. <i>Surface and Interface Analysis</i> , 2014, 46, 856-860.	1.8	4
117	Lean Atmospheres for Sintering of Chromium Alloyed Powder Metallurgy Steels. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3588-3595.	3.8	4
118	Vacuum sintering of chromium alloyed powder metallurgy steels. <i>Metal Powder Report</i> , 2019, 74, 244-250.	0.1	4
119	Evolution of surface chemistry during sintering of water-atomized iron and low-alloyed steel powder. <i>Surface and Interface Analysis</i> , 2020, 52, 1061-1065.	1.8	4
120	Al–Mn–Cr–Zr-based alloys tailored for powder bed fusion-laser beam process: Alloy design, printability, resulting microstructure and alloy properties. <i>Journal of Materials Research</i> , 2022, 37, 1256-1268.	2.6	4
121	Electron microscopy of white-etching band generated by high-velocity parting-off of 100CrMn6 steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 480, 489-495.	5.6	3
122	Tempering of 3Cr–0.5Mo sintered steel: influence on mechanical properties. <i>Powder Metallurgy</i> , 2012, 55, 302-308.	1.7	3
123	An experimental investigation of temperature and machinability in turning of compacted graphite irons. <i>International Journal of Materials and Product Technology</i> , 2012, 43, 102.	0.2	3
124	Investigation of microstructure and material properties for 18 different graphitic cast iron model materials with focus on Compacted Graphite Iron (CGI). <i>International Journal of Microstructure and Materials Properties</i> , 2013, 8, 262.	0.1	3
125	Microstructure Development in Powder Metallurgy Steels: Effect of Alloying Elements and Process Variables. <i>Materials Science Forum</i> , 2014, 782, 467-472.	0.3	3
126	Influence of the steel powder type and processing parameters on the debinding of PM compacts with gelatin binder. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 695-704.	3.6	3



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127	Manufacturing full density powder metallurgy gears through HIP'ing. Metal Powder Report, 2019, 74, 199-203.	0.1	3
128	Capsule-free hot isostatic pressing of sintered steel to full density using water atomised iron and Cr-alloyed powder consolidated by cold isostatic pressing. Powder Metallurgy, 2022, 65, 133-140.	1.7	3
129	Microscopic characterisation of topography and lubricant distribution on surface of powder compacts. Powder Metallurgy, 2005, 48, 345-353.	1.7	2
130	Initial formation of contact layers on Ni/SiC samples studied by XPS. Surface and Interface Analysis, 2008, 40, 1144-1148.	1.8	2
131	An Experimental Investigation of the Influence of Cutting-Edge Geometry on the Machinability of Compacted Graphite Iron. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2013, 3, 1-25.	0.4	2
132	Laser Powder Bed Fusion of an Al-Mg-Sc-Zr Alloy: Manufacturing, Peak Hardening Response and Thermal Stability at Peak Hardness. Metals, 2022, 12, 57.	2.3	2
133	Surface chemical and geometrical properties of pure copper powder intended for binder jetting and sintering. Surface and Interface Analysis, 0, , .	1.8	2
134	Adhesion Study of Copper Layer Deposited onto Liquid Crystalline Polymer for Electronic Packaging. , 2005, , .		1
135	Possibilities and constraints of implementing starch consolidated high speed steel in prototyping. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 475, 34-38.	5.6	1
136	Effect of temperature gradient and sulfur dioxide addition on erosion " corrosion of iron- and nickelbased alloys. Materials at High Temperatures, 2008, 25, 1-16.	1.0	1
137	Inhomogeneous Microstructure and Electrical Transport Properties at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface. Japanese Journal of Applied Physics, 2012, 51, 11PG10.	1.5	1
138	MODEL-BASED DESIGN OF AM COMPONENTS TO ENABLE DECENTRALIZED DIGITAL MANUFACTURING SYSTEMS. Proceedings of the Design Society, 2021, 1, 2127-2136.	0.8	1
139	Inhomogeneous Microstructure and Electrical Transport Properties at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface. Japanese Journal of Applied Physics, 2012, 51, 11PG10.	1.5	1
140	Liquid Phase Sintering of Steel Powder. , 2006, , 222-228.		0
141	Tribological properties of powder metallurgical tool steels used in powder compaction pressing dies. Lubrication Science, 2011, 23, 139-152.	2.1	0
142	Investigation of surface and thermogravimetric characteristics of carbon-coated iron nanopowder. Surface and Interface Analysis, 2020, 52, 1045-1049.	1.8	0
143	Comparative study on the densification of chromium pre-alloyed powder metallurgy steel through nanopowder addition using design of experiments. Results in Materials, 2021, 10, 100173.	1.8	0