

# CITATION REPORT

List of articles citing

## Surface morphology analysis of Duplex Stainless Steel (DSS) in Clean Production using the Power Spectral Density

DOI: 10.1016/j.measurement.2016.08.023  
Measurement: Journal of the International  
Measurement Confederation, 2016, 94, 464-470.

**Source:** <https://exaly.com/paper-pdf/64199912/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
90	Stagnation zone during the turning of Duplex SAF 2205 stainless steels alloy. <i>Materials and Manufacturing Processes</i> , <b>2017</b> , 32, 1486-1489	4.1	12
89	Experimental description of strength and tribological characteristic of EFB oil palm fibres/epoxy composites with technologically undemanding preparation. <i>Composites Part B: Engineering</i> , <b>2017</b> , 122, 79-88	10	33
88	Theoretical Study of the Conditions of Maximum Manifestation of the Error Due to Inhomogeneity of Thermocouple Legs. <i>International Journal of Thermophysics</i> , <b>2017</b> , 38, 1	2.1	1
87	Development and experimental investigation of duplex turning process. <i>Advances in Manufacturing</i> , <b>2017</b> , 5, 149-157	2.7	14
86	On the biotribology of total knee replacement: a new roughness measurements protocol on in vivo condyles considering the dynamic loading from musculoskeletal multibody model. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2017</b> , 112, 22-28	4.6	18
85	Problem of Non-Measured Points in Surface Texture Measurements. <i>Metrology and Measurement Systems</i> , <b>2017</b> , 24, 525-536		25
84	Dry cutting effect in turning of a duplex stainless steel as a key factor in clean production. <i>Journal of Cleaner Production</i> , <b>2017</b> , 142, 3343-3354	10.3	94
83	Multi-sensor measurements of titanium alloy surface texture formed at subsequent operations of precision machining process. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2017</b> , 96, 8-17	4.6	27
82	Surface integrity of bored super duplex stainless steel SAF 2507. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2017</b> , 39, 2649-2658	2	2
81	Wear of carbide inserts during turning of C45 steel in dry cutting conditions and in presence of emulsion mist. <i>E3S Web of Conferences</i> , <b>2017</b> , 19, 03009	0.5	0
80	Investigation of the influence of coolant-lubricant modification on selected effects of pull broaching. <i>E3S Web of Conferences</i> , <b>2017</b> , 19, 03032	0.5	1
79	Estimation of uncertainty of laser interferometer measurement in industrial robot accuracy tests. <i>ITM Web of Conferences</i> , <b>2017</b> , 15, 04005	0.1	1
78	Uncertainty measurement with the kinematic telescopic bar during industrial robot inaccuracy tests. <i>ITM Web of Conferences</i> , <b>2017</b> , 15, 04013	0.1	
77	The modernization of the production system of the selected type of synchronizer ring. <i>MATEC Web of Conferences</i> , <b>2017</b> , 121, 02007	0.3	
76	Application of optical scanning system to determine the machining allowances. <i>MATEC Web of Conferences</i> , <b>2017</b> , 112, 01002	0.3	2
75	Influence of Ranque-Hilsch vortex tube and nitrogen gas assisted MQL in precision turning of Al 6061-T6. <i>Precision Engineering</i> , <b>2018</b> , 53, 289-299	2.9	62
74	Effects of extreme pressure and anti-wear additives on surface topography and tool wear during MQCL turning of AISI 1045 steel. <i>Journal of Mechanical Science and Technology</i> , <b>2018</b> , 32, 1585-1591	1.6	58

73	Effect of Copper Content on Tribological Characteristics of Fe <sub>3</sub> Cu Composites. <i>Journal of Friction and Wear</i> , <b>2018</b> , 39, 1-5	0.9	7
72	Mechanical properties and abrasive wear of white/brown coir epoxy composites. <i>Composites Part B: Engineering</i> , <b>2018</b> , 146, 88-97	10	39
71	Sustainable production of micro gears combining micro reciprocated wire electrical discharge machining and precision forging. <i>Journal of Cleaner Production</i> , <b>2018</b> , 188, 1-11	10.3	20
70	Comparison of Geometrical Accuracy of a Component Manufactured Using Additive and Conventional Methods. <i>Lecture Notes in Mechanical Engineering</i> , <b>2018</b> , 765-776	0.4	2
69	The HSC machining mechanism for TC17 under multimedia mixed minimum quantity lubrication. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 95, 341-353	3.2	2
68	Surface quality and topographic inspection of variable compliance part after precise turning. <i>Applied Surface Science</i> , <b>2018</b> , 434, 91-101	6.7	79
67	Evaluation of Tribological Properties and Condition of Ti6Al4V Titanium Alloy Surface. <i>Tehnicki Vjesnik</i> , <b>2018</b> , 25,	1	6
66	Multi-Sensor Data Fusion for Real-Time Surface Quality Control in Automated Machining Systems. <i>Sensors</i> , <b>2018</b> , 18,	3.8	17
65	Theoretical and Experimental Investigation of Surface Topography Generation in Slow Tool Servo Ultra-Precision Machining of Freeform Surfaces. <i>Materials</i> , <b>2018</b> , 11,	3.5	11
64	Study on Surface Roughness of Gcr15 Machined by Micro-Texture PCBN Tools. <i>Machines</i> , <b>2018</b> , 6, 42	2.9	11
63	Some Considerations about the Use of Contact and Confocal Microscopy Methods in Surface Texture Measurement. <i>Materials</i> , <b>2018</b> , 11,	3.5	12
62	Prediction and Optimization of Drilling Parameters in Drilling of AISI 304 and AISI 2205 Steels with PVD Monolayer and Multilayer Coated Drills. <i>Journal of Manufacturing and Materials Processing</i> , <b>2018</b> , 2, 16	2.2	6
61	Determining surface roughness of machining process types using a hybrid algorithm based on time series analysis and wavelet transform. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 97, 2603-2619	3.2	12
60	Analysis of 3D printing parameters of gears for hybrid manufacturing. <b>2018</b> ,		7
59	On the Effect the Iron Content on the Tribological Properties of Sintered Tin-iron Bronze. <i>Journal of Friction and Wear</i> , <b>2018</b> , 39, 173-178	0.9	1
58	Progressive Tool Wear in Cryogenic Machining: The Effect of Liquid Nitrogen and Carbon Dioxide. <i>Journal of Manufacturing and Materials Processing</i> , <b>2018</b> , 2, 31	2.2	17
57	Distance Calibration between Reference Plane and Screen in Direct Phase Measuring Deflectometry. <i>Sensors</i> , <b>2018</b> , 18,	3.8	5
56	QSI Methods for Determining the Quality of the Surface Finish of Concrete. <i>Sustainability</i> , <b>2018</b> , 10, 931	3.6	5

55	Model Selection and Quality Estimation of Time Series Models for Artificial Technical Surface Generation. <i>Technologies</i> , <b>2018</b> , 6, 3	2.4	6
54	Analysis of tool-chip interface characteristics of self-lubricating tools with nanotextures and WS <sub>2</sub> /Zr coatings in dry cutting. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 97, 1637-1647	3.2	16
53	Characterization and Correction of the Geometric Errors in Using Confocal Microscope for Extended Topography Measurement. Part I: Models, Algorithms Development and Validation. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 733	2.6	2
52	Confidence Distance Matrix for outlier identification: A new method to improve the characterizations of surfaces measured by confocal microscopy. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 137, 484-500	4.6	10
51	Comparative study of PVD and CVD cutting tools performance in milling of duplex stainless steel. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 102, 2423-2439	3.2	23
50	Ecological trends in machining as a key factor in sustainable production [A review]. <i>Journal of Cleaner Production</i> , <b>2019</b> , 218, 601-615	10.3	168
49	Fractal characteristics of biochars derived from Penicillin v potassium residue pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 141, 104636	6	6
48	Errors of Surface Topography Parameter Calculation in Grinded or Turned Details Analysis. <i>Lecture Notes in Mechanical Engineering</i> , <b>2019</b> , 134-146	0.4	
47	Sustainable micro-manufacturing of superhydrophobic surface on ultrafine-grained pure aluminum substrate combining micro-embossing and surface modification. <i>Journal of Cleaner Production</i> , <b>2019</b> , 232, 705-712	10.3	9
46	Analysis of loading history influence on fatigue and fracture surface parameters using the method of induction trees. <i>MATEC Web of Conferences</i> , <b>2019</b> , 252, 08003	0.3	4
45	A fiducial-aided data fusion method for the measurement of multiscale complex surfaces. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 103, 1381-1389	3.2	1
44	The Influence of EP/AW Addition in the MQL Method on the Parameters of Surface Geometrical Structure in the Process of Turning 316L Steel. <i>Lecture Notes in Mechanical Engineering</i> , <b>2019</b> , 341-350	0.4	1
43	Sustainability assessment of dry turning Ti-6Al-4V employing uncoated cemented carbide tools as clean manufacturing process. <i>Journal of Cleaner Production</i> , <b>2019</b> , 214, 279-289	10.3	16
42	An investigation in the ultra-precision fly cutting of freeform surfaces on brittle materials with high machining efficiency and low tool wear. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 101, 1583-1593	3.2	9
41	A new spectral analysis method for determining the joint roughness coefficient of rock joints. <i>International Journal of Rock Mechanics and Minings Sciences</i> , <b>2019</b> , 113, 72-82	6	22
40	The Influence of the Application of EP Additive in the Minimum Quantity Cooling Lubrication Method on the Tool Wear and Surface Roughness in the Process of Turning 316L Steel. <i>Lecture Notes in Mechanical Engineering</i> , <b>2019</b> , 254-263	0.4	1
39	T-SAW methodology for parametric evaluation of surface integrity aspects in AlMg <sub>3</sub> (AA5754) alloy: Comparison with T-TOPSIS methodology. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 132, 309-323	4.6	10
38	A calibration method for non-overlapping cameras based on mirrored absolute phase target. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 104, 9-15	3.2	7

37	A study of vitamin B influence on the morphology, roughness, and reflectance of electropolished aluminum in H3PO4:H2SO4 mixture. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 2579-2595	5.9	5
36	A comprehensive investigation on the effect of flood and MQL coolant on the machinability and stress corrosion cracking of super duplex stainless steel. <i>Journal of Materials Processing Technology</i> , <b>2020</b> , 276, 116417	5.3	16
35	Quality of the surface finish of self-compacting concrete. <i>Journal of Building Engineering</i> , <b>2020</b> , 28, 101068	5.8	4
34	Simple Discriminatory Methodology for Wear Analysis of Cutting Tools: Impact on Work Piece Surface Morphology in Case of Differently Milled Kinetics Steel H13. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
33	Influence of noise on the fractal dimension of measured surface topography. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 152, 107311	4.6	8
32	Study on physical and technological effects of precise turning with self-propelled rotary tool. <i>Precision Engineering</i> , <b>2020</b> , 66, 62-75	2.9	6
31	Bayesian uncertainty evaluation of stitching interferometry for cylindrical surface. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 157, 107626	4.6	5
30	Effects of Feed per Tooth and Radial Depth of Cut on Amplitude Parameters and Power Spectral Density of a Machined Surface. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
29	Multiscale Characterizations of Surface Anisotropies. <i>Materials</i> , <b>2020</b> , 13,	3.5	11
28	Multi-objective optimization of turning parameters for targeting surface roughness and maximizing material removal rate in dry turning of AISI 316L with PVD-coated cermet insert. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	8
27	Using confocal fusion for measurement of metal AM surface texture. <i>Surface Topography: Metrology and Properties</i> , <b>2020</b> , 8, 024003	1.5	3
26	Improved Procedures for Feature-Based Suppression of Surface Texture High-Frequency Measurement Errors in the Wear Analysis of Cylinder Liner Topographies. <i>Metals</i> , <b>2021</b> , 11, 143	2.3	8
25	Study on vibration and surface roughness in MQCL turning of stainless steel. <i>Journal of Manufacturing Processes</i> , <b>2021</b> , 65, 343-353	5	4
24	Surface morphology characterization of unidirectional carbon fibre reinforced plastic machined by peripheral milling. <i>Chinese Journal of Aeronautics</i> , <b>2021</b> , 35, 361-361	3.7	1
23	The Effect of Surface Topography Feature Size Density and Distribution on the Results of a Data Processing and Parameters Calculation with a Comparison of Regular Methods. <i>Materials</i> , <b>2021</b> , 14,	3.5	9
22	Suppression of the High-Frequency Errors in Surface Topography Measurements Based on Comparison of Various Spline Filtering Methods. <i>Materials</i> , <b>2021</b> , 14,	3.5	8
21	Detection of measurement noise in surface topography analysis. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1736, 012014	0.3	
20	Metrological Software Test for Simulating the Method of Determining the Thermocouple Error in Situ During Operation. <i>Measurement Science Review</i> , <b>2018</b> , 18, 52-58	1.7	6

19	Impact on Machining of AISI H13 Steel Using Coated Carbide Tool under Vegetable Oil Minimum Quantity Lubrication. <i>Materials Performance and Characterization</i> , <b>2019</b> , 8, 20190154	0.5	4
18	Selection of Methods of Surface Texture Characterisation for Reduction of the Frequency-Based Errors in the Measurement and Data Analysis Processes.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	9
17	Parameter identification of an abrasive manufacturing process with machine learning of measured surface topography information. <i>Journal of Computing and Information Science in Engineering</i> , 1-36	2.4	0
16	Influence of tool hardness on tool wear, surface roughness and acoustic emissions during turning of AISI 1050. <i>Surface Topography: Metrology and Properties</i> , <b>2022</b> , 10, 015016	1.5	4
15	The Influence of the Depth of Grinding on the Condition of the Surface Layer of 20MnCr5 Steel Ground with the Minimum Quantity Lubrication (MQL) Method.. <i>Materials</i> , <b>2022</b> , 15,	3.5	1
14	Optimization Research of Machining Parameters for Cutting GH4169 Based on Tool Vibration and Surface Roughness under High-Pressure Cooling.. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
13	Effects of surface microtopography on material removal and ultra-smooth surface creation processes in ultraviolet-induced nanoparticle colloid jet machining. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 648, 129161	5.1	0
12	Proposals of Frequency-Based and Direction Methods to Reduce the Influence of Surface Topography Measurement Errors. <i>Coatings</i> , <b>2022</b> , 12, 726	2.9	1
11	Experimental Investigation of Machining Time and Optimization of Machining Parameters Using RSM and Genetic Algorithm (GA) on 2205-Duplex Stainless Steel. <i>International Journal of Engineering Research in Africa</i> , 60, 1-13	0.7	
10	Resource saving by optimization and machining environments for sustainable manufacturing: A review and future prospects. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 166, 112660	16.2	6
9	Thresholding Methods for Reduction in Data Processing Errors in the Laser-Textured Surface Topography Measurements. <b>2022</b> , 15, 5137		3
8	Curve-Fitting Algorithm for the Inspection of Subtle Feature Lines on Automotive Outer Panels. <b>2022</b> , 15, 6323		0
7	Advances in Measurement and Data Analysis of Surfaces with Functionalized Coatings. <b>2022</b> , 12, 1331		0
6	Chip formation, cutting temperature and forces measurements in hard turning of Gcr15 under the influence of PcBN chamfering parameters. <b>2022</b> , 204, 112130		1
5	Extraction and Reconstruction of Arbitrary 3D Frequency Features from the Potassium Dihydrogen Phosphate Surfaces Machined by Different Cutting Parameters. <b>2022</b> , 15, 7759		0
4	Surface Topography Description of Threads Made with Turning on Inconel 718 Shafts. <b>2023</b> , 16, 80		0
3	Resolving Selected Problems in Surface Topography Analysis by Application of the Autocorrelation Function. <b>2023</b> , 13, 74		3
2	Performance of eco-benign lubricating/cooling mediums in machining of superalloys: A comprehensive review from the perspective of Triple Bottom Line theory. <b>2023</b> , 35, e00578		0

- 1 Surface modification of hybrid composite multilayers spin cold spraying for biomedical duplex stainless steel. **2023**, 9, e14103

o