

Saulius Kaciulis

List of Publications by Year in descending order

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228
papers

4,606
citations

117453

34
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149479

56
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all docs

231
docs citations

231
times ranked

6444
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopy of carbon: from diamond to nitride films. <i>Surface and Interface Analysis</i> , 2012, 44, 1155-1161.	0.8	163
2	Surface investigation of carbon films: from diamond to graphite. <i>Surface and Interface Analysis</i> , 2010, 42, 1082-1084.	0.8	149
3	XPS study of apatite-based coatings prepared by sol-gel technique. <i>Applied Surface Science</i> , 1999, 151, 1-5.	3.1	147
4	Surface chemistry of tin oxide based gas sensors. <i>Journal of Applied Physics</i> , 1994, 76, 4467-4471.	1.1	137
5	Sol-gel derived hydroxyapatite coatings on titanium substrate. <i>Journal of Materials Science</i> , 2000, 35, 2791-2797.	1.7	127
6	Highly conductive multilayer-graphene paper as a flexible lightweight electromagnetic shield. <i>Carbon</i> , 2015, 89, 260-271.	5.4	122
7	The role of reduced graphene oxide on chemical, mechanical and barrier properties of natural rubber composites. <i>Composites Science and Technology</i> , 2014, 102, 74-81.	3.8	113
8	Properties of Cu _x S thin film based structures: influence on the sensitivity to ammonia at room temperatures. <i>Thin Solid Films</i> , 2001, 391, 275-281.	0.8	104
9	Surface analysis of biocompatible coatings on titanium. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 95, 61-69.	0.8	92
10	Investigation of sol-gel prepared CeO ₂ -TiO ₂ thin films for oxygen gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2003, 95, 145-150.	4.0	90
11	Third-generation biosensors based on TiO ₂ nanostructured films. <i>Materials Science and Engineering C</i> , 2006, 26, 947-951.	3.8	89
12	Zirconia primers for corrosion resistant coatings. <i>Surface and Coatings Technology</i> , 2007, 201, 5822-5828.	2.2	85
13	Chitosan films containing mesoporous SBA-15 supported silver nanoparticles for wound dressing. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6054.	2.9	75
14	Surface studies of in vitro biocompatibility of titanium oxide coatings. <i>Applied Surface Science</i> , 2001, 172, 167-177.	3.1	74
15	Preparation and characterization of Fe-MCM-41 catalysts employed in the degradation of plastic materials. <i>Microporous and Mesoporous Materials</i> , 2007, 99, 140-148.	2.2	67
16	Characterization of composite titanium nitride coatings prepared by reactive plasma spraying. <i>Electrochimica Acta</i> , 2005, 50, 4531-4537.	2.6	62
17	Influence of PECVD parameters on the properties of diamond-like carbon films. <i>Thin Solid Films</i> , 2011, 519, 4087-4091.	0.8	61
18	The "Oil-Spill Snorkel": an innovative bioelectrochemical approach to accelerate hydrocarbons biodegradation in marine sediments. <i>Frontiers in Microbiology</i> , 2015, 6, 881.	1.5	60

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19	Characterization of Ga ₂ O ₃ based MRISiC hydrogen gas sensors. Sensors and Actuators B: Chemical, 2004, 103, 129-135.	4.0	59
20	Hydroxy- and fluorapatite films on Ti alloy substrates: Sol-gel preparation and characterization. Journal of Materials Science, 2001, 36, 3253-3260.	1.7	58
21	Electron spectroscopy of the main allotropes of carbon. Surface and Interface Analysis, 2014, 46, 966-969.	0.8	53
22	Interaction of mercury vapour with thin films of gold. Applied Surface Science, 1996, 103, 107-111.	3.1	49
23	Surface characterization of biocompatible hydroxyapatite coatings. Surface and Interface Analysis, 2000, 29, 773-781.	0.8	49
24	Deposition of Ti-containing diamond-like carbon (DLC) films by PECVD technique. Materials Science and Engineering C, 2007, 27, 1328-1330.	3.8	49
25	Synthesis and characterization of ZnO nanorods with a narrow size distribution. RSC Advances, 2015, 5, 49861-49870.	1.7	49
26	XPS characterization of biocompatible hydroxyapatite-polymer coatings. Surface and Interface Analysis, 2002, 34, 45-49.	0.8	46
27	Peculiarities of surface doping with Cu in SnO ₂ thin film gas sensors. Sensors and Actuators B: Chemical, 1997, 43, 140-146.	4.0	43
28	A Comparative Study of Cr ₂ O ₃ Thin Films Obtained by MOCVD using Three Different Precursors. Chemical Vapor Deposition, 2005, 11, 375-380.	1.4	43
29	Hydrophobizing coatings for cultural heritage. A detailed study of resin/stone surface interaction. Applied Physics A: Materials Science and Processing, 2014, 116, 341-348.	1.1	43
30	Gold nanotubules arrays as new materials for sensing and biosensing: Synthesis and characterization. Sensors and Actuators B: Chemical, 2005, 111-112, 526-531.	4.0	41
31	Multi-technique study of corrosion resistant CrN/Cr/CrN and CrN:C coatings. Surface and Coatings Technology, 2006, 201, 313-319.	2.2	39
32	Sol-gel synthesis and XPS characterization of sodium vanadium oxide bronze thin films. Journal of Electron Spectroscopy and Related Phenomena, 2003, 131-132, 99-103.	0.8	38
33	Investigation of thin films of mixed oxides for gas-sensing applications. Surface and Interface Analysis, 2002, 34, 672-676.	0.8	37
34	Supramolecular Colloidal Systems of Gold Nanoparticles/Amphiphilic Cyclodextrin: a FE-SEM and XPS Investigation of Nanostructures Assembled onto Solid Surface. Journal of Physical Chemistry C, 2009, 113, 12772-12777.	1.5	37
35	XPS study of vanadium-yttrium hydrates. Journal of Electron Spectroscopy and Related Phenomena, 2001, 120, 131-135.	0.8	36
36	Rare-earth sesquisulphides investigation by ELS and XPS. Surface Science, 1991, 251-252, 330-335.	0.8	35

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37	WC-Co cutting tool surface modifications induced by pulsed laser treatment. <i>Applied Surface Science</i> , 1999, 138-139, 376-382.	3.1	35
38	Photovoltaic Anodes for Enhanced Thermionic Energy Conversion. <i>ACS Energy Letters</i> , 2020, 5, 1364-1370.	8.8	35
39	Investigation of sol-gel prepared Ga-Zn oxide thin films for oxygen gas sensing. <i>Sensors and Actuators A: Physical</i> , 2003, 108, 263-270.	2.0	34
40	High piezo-resistive performances of anisotropic composites realized by embedding rGO-based chitosan aerogels into open cell polyurethane foams. <i>Nanoscale</i> , 2019, 11, 8835-8844.	2.8	33
41	Temperature dependencies of sensitivity and surface chemical composition of SnO _x gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1995, 25, 516-519.	4.0	32
42	High Yield Synthesis of Pure Alkanethiolate-Capped Silver Nanoparticles. <i>Langmuir</i> , 2010, 26, 15561-15566.	1.6	32
43	Nanowires of metal oxides for gas sensing applications. <i>Surface and Interface Analysis</i> , 2008, 40, 575-578.	0.8	31
44	Surface spectroscopy and structural analysis of nanostructured multifunctional (Zn, Al) layered double hydroxides. <i>Surface and Interface Analysis</i> , 2016, 48, 514-518.	0.8	31
45	Bridging spatially segregated redox zones with a microbial electrochemical snorkel triggers biogeochemical cycles in oil-contaminated River Tyne (UK) sediments. <i>Water Research</i> , 2017, 127, 11-21.	5.3	30
46	Effect of oxygen partial pressure on PLD cobalt oxide films. <i>Applied Surface Science</i> , 2008, 254, 5111-5115.	3.1	29
47	Discriminating between Different Heavy Metal Ions with Fullerene-Derived Nanoparticles. <i>Sensors</i> , 2018, 18, 1496.	2.1	29
48	Effect of substrate temperature on the arrangement of ultra-thin TiO ₂ films grown by a dc-magnetron sputtering deposition. <i>Thin Solid Films</i> , 2015, 585, 5-12.	0.8	28
49	Great reduction of particulates in pulsed laser deposition of Ag-Co films by using a shaded off-axis geometry. <i>Applied Surface Science</i> , 2000, 156, 143-148.	3.1	27
50	Facile Synthesis and Characterization of New η^2 -Diketonate Silver Complexes. Single-Crystal Structures of (1,1,1,5,5,5-Hexafluoro-2,4-pentadionato)(2,2'-bipyridine)silver(I) and (1,1,1,5,5,5-Hexafluoro-2,4-pentadionato)(N,N,N',N'-tetramethylethylenediamine)silver(I) and Their Use as MOCVD Precursors for Silver Films. <i>Chemical Vapor Deposition</i> , 2004, 10, 207-213.	1.4	27
51	Immobilization of GOD and HRP enzymes on nanostructured substrates. <i>Surface and Interface Analysis</i> , 2006, 38, 478-481.	0.8	27
52	Tunable properties of carbon quantum dots by different synthetic methods. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 565-580.	5.3	27
53	Tough and adhesive nanostructured calcium phosphate thin films deposited by the pulsed plasma deposition method. <i>RSC Advances</i> , 2015, 5, 78561-78571.	1.7	26
54	Magnetic hydroxyapatite coatings as a new tool in medicine: A scanning probe investigation. <i>Materials Science and Engineering C</i> , 2016, 62, 444-449.	3.8	26

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55	Effect of composition on mechanical behaviour of diamond-like carbon coatings modified with titanium. <i>Thin Solid Films</i> , 2011, 519, 3061-3067.	0.8	25
56	Characterization of thin-film devices for gas sensing. <i>Surface and Interface Analysis</i> , 2000, 30, 502-506.	0.8	24
57	The room temperature ammonia sensor based on improved Cu_xS -micro-porous-Si structure. <i>Sensors and Actuators B: Chemical</i> , 2001, 78, 208-215.	4.0	24
58	Bottom-Up Electrochemical Deposition of Poly(styrene sulfonate) on Nanoarchitected Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22902-22910.	4.0	24
59	“Gold corrosion” red stains on a gold Austrian Ducat. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 205-211.	1.1	23
60	Lead enrichment at the surface of lead zirconate titanate thin films. <i>Journal of the European Ceramic Society</i> , 2005, 25, 2495-2498.	2.8	23
61	SAW-based gas sensors with rf sputtered InO_x and PECVD SiN_x films: Response to H_2 and O_3 gases. <i>Sensors and Actuators B: Chemical</i> , 2006, 118, 362-367.	4.0	23
62	Feasibility of enzyme biosensors based on gold nanowires. <i>Materials Science and Engineering C</i> , 2007, 27, 1158-1161.	3.8	23
63	Piezoelectric Thin Films of ZnO -Nanorods/Nanowalls Grown by Chemical Bath Deposition. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 311-319.	1.1	23
64	XPS characterisation of iron-modified vanadyl phosphate catalysts. <i>Applied Catalysis A: General</i> , 2001, 218, 129-137.	2.2	22
65	Structure and composition of electrospun titania nanofibres doped with Eu. <i>Surface and Interface Analysis</i> , 2010, 42, 572-575.	0.8	22
66	Graphene quantum dots obtained by unfolding fullerene. <i>Thin Solid Films</i> , 2019, 673, 19-25.	0.8	22
67	Critical Temperature Enhancement by Biaxial Compressive Strain in $FeSe_{0.5}Te_{0.5}$ Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 35-41.	0.8	21
68	Ceria/stannate multilayer coatings on AZ91D Mg alloy. <i>Surface and Coatings Technology</i> , 2012, 206, 4855-4863.	2.2	21
69	Nano-crystalline $Ag-PbTe$ thermoelectric thin films by a multi-target PLD system. <i>Applied Surface Science</i> , 2015, 336, 283-289.	3.1	21
70	Investigation of work function and chemical composition of thin films of borides and nitrides. <i>Surface and Interface Analysis</i> , 2018, 50, 1138-1144.	0.8	21
71	Fluorescence enhancement induced by the interaction of silver nanoclusters with lead ions in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123634.	2.3	21
72	Determination of vanadium valence in hydrated compounds. <i>Journal of Alloys and Compounds</i> , 2004, 382, 239-243.	2.8	20

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73	XPS investigation of CoO _x -based MRISiC structures for hydrocarbon gas sensing. <i>Surface and Interface Analysis</i> , 2006, 38, 736-739.	0.8	20
74	Influence of electrodes ageing on the properties of the gas sensors based on SnO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 396-402.	4.0	20
75	Effect of deposition temperature on chemical composition and electronic properties of amorphous carbon nitride (a-CN _x) thin films grown by plasma assisted pulsed laser deposition. <i>Thin Solid Films</i> , 2011, 519, 4059-4063.	0.8	20
76	Young's Modulus Profile in Kolsterized AISI 316L Steel. <i>Materials Science Forum</i> , 0, 762, 183-188.	0.3	20
77	Influence of chemical composition on sensitivity and signal reproducibility of CdS sensors of oxygen. <i>Sensors and Actuators B: Chemical</i> , 1995, 25, 628-630.	4.0	19
78	Composition influence on the properties of sputtered Sn _{1-x} W _x O films. <i>Sensors and Actuators B: Chemical</i> , 2003, 89, 225-231.	4.0	19
79	X-ray and UV photoelectron spectroscopy of Ag nanoclusters. <i>Surface and Interface Analysis</i> , 2020, 52, 1017-1022.	0.8	18
80	Influence of Cu overlayer on the properties of SnO ₂ -based gas sensors. <i>Thin Solid Films</i> , 1998, 315, 310-315.	0.8	17
81	Deposition and characterization of ZrTiO ₄ thin films. <i>Surface and Interface Analysis</i> , 2004, 36, 1159-1162.	0.8	17
82	Correlation between atomic composition and gas sensing properties in tungsten-iron oxide thin films. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 22-28.	4.0	17
83	Control of the size and density of ZnO-nanorods grown onto graphene nanoplatelets in aqueous suspensions. <i>RSC Advances</i> , 2016, 6, 83217-83225.	1.7	17
84	Inorganic Photocatalytic Enhancement: Activated RhB Photodegradation by Surface Modification of SnO ₂ Nanocrystals with V ₂ O ₅ -like species. <i>Scientific Reports</i> , 2017, 7, 44763.	1.6	17
85	Nanocluster superstructures or nanoparticles? The self-consuming scaffold decides. <i>Nanoscale</i> , 2018, 10, 7472-7483.	2.8	17
86	Nanocrystalline lanthanum boride thin films by femtosecond pulsed laser deposition as efficient emitters in hybrid thermionic-photovoltaic energy converters. <i>Applied Surface Science</i> , 2020, 513, 145829.	3.1	17
87	Growth of Hafnium Dioxide Thin Films by MOCVD Using a New Series of Cyclopentadienyl Hafnium Compounds. <i>Chemical Vapor Deposition</i> , 2007, 13, 626-632.	1.4	16
88	Electron spectroscopy of rubber and resin-based composites containing 2D carbon. <i>Thin Solid Films</i> , 2015, 581, 80-85.	0.8	16
89	Lanthanum (oxy)boride thin films for thermionic emission applications. <i>Applied Surface Science</i> , 2019, 479, 296-302.	3.1	16
90	Influence of iron and nitrogen ion beam exposure on the gas sensing properties of CuO nanowires. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128579.	4.0	16

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91	XPS study of ceramic three-way catalysts. <i>Applied Surface Science</i> , 1999, 144-145, 390-394.	3.1	15
92	Surface characterization of titanium nitride composite coatings fabricated by reactive plasma spraying. <i>Surface and Interface Analysis</i> , 2004, 36, 1147-1150.	0.8	15
93	Evolution of the Pt Layer Deposited on MgO(001) by Pulsed Laser Deposition as a Function of the Deposition Parameters: A Scanning Tunneling Microscopy and Energy Dispersive X-ray Diffractometry/Reflectometry Study. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5529-5536.	1.2	15
94	Composite of Ti6Al4V and SiC fibres: evolution of fibre-matrix interface during heat treatments. <i>Surface and Interface Analysis</i> , 2008, 40, 277-280.	0.8	15
95	ZnSb-based thin films prepared by ns-PLD for thermoelectric applications. <i>Applied Surface Science</i> , 2017, 418, 589-593.	3.1	15
96	Hydrogen Gas Sensing Performance Of Pt/SnO ₂ Nanowires/Sic Mos Devices. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2008, 1, 771-783.	0.4	15
97	Structural and dielectric properties of ZrTiO ₄ and Zr _{0.8} Sn _{0.2} TiO ₄ deposited by pulsed laser deposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 118, 87-91.	1.7	14
98	Carbon nitride films by RF plasma assisted PLD: Spectroscopic and electronic analysis. <i>Applied Surface Science</i> , 2011, 257, 5175-5180.	3.1	14
99	Surface modification of austenitic steels by low-temperature carburization. <i>Surface and Interface Analysis</i> , 2012, 44, 1001-1004.	0.8	14
100	Effect of mercapto-silanes on the functional properties of highly amorphous vinyl alcohol composites with reduced graphene oxide and cellulose nanocrystals. <i>Composites Science and Technology</i> , 2020, 200, 108458.	3.8	14
101	Cr Segregation and Impact Fracture in a Martensitic Stainless Steel. <i>Coatings</i> , 2020, 10, 843.	1.2	14
102	Valence band states of H:GaAs(110). <i>Surface Science</i> , 1994, 307-309, 890-895.	0.8	13
103	Fabrication of Graphene-Alumina Heterostructured Films with Nanotube Morphology. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9490-9497.	1.5	13
104	Thermal treatment stabilization processes in SnO ₂ thin films catalyzed with Au and Pt. <i>IEEE Sensors Journal</i> , 2002, 2, 102-106.	2.4	12
105	XPS analysis of several zeolitic and clay-based nanoporous materials for C ₄ hydrocarbon conversions. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 64-71.	2.2	12
106	Silver@Hydroxyapatite functionalized calcium carbonate composites: characterization, antibacterial and antibiofilm activities and cytotoxicity. <i>Applied Surface Science</i> , 2022, 586, 152760.	3.1	12
107	Photoelectron spectroscopy of the poly-vanadium transition metal acids. <i>Applied Surface Science</i> , 1994, 78, 107-112.	3.1	11
108	Fs-pulsed laser deposition of PbTe and PbTe/Ag thermoelectric thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 401-407.	1.1	11

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109	Room temperature Co-doped manganite/graphene sensor operating at high pulsed magnetic fields. <i>Scientific Reports</i> , 2019, 9, 9497.	1.6	11
110	Surface spectroscopy study of CdSe and CdS thin-film oxygen sensors. <i>Sensors and Actuators B: Chemical</i> , 1994, 22, 189-194.	4.0	10
111	Study of $Zr_{1-x}Sn_xTiO_4$ thin films prepared by a polymeric precursor route. <i>Surface and Interface Analysis</i> , 2002, 34, 690-693.	0.8	10
112	Study of Magnesium Boride Films Obtained From $Mg(BH_4)_2$ by CVD. <i>Chemical Vapor Deposition</i> , 2007, 13, 414-419.	1.4	10
113	Ordered arrays of FePt nanoparticles on unoxidized silicon surface by wet chemistry. <i>Superlattices and Microstructures</i> , 2009, 46, 95-100.	1.4	10
114	Composition of plasma-sprayed tungsten coatings on CuCrZr alloy. <i>Surface and Interface Analysis</i> , 2010, 42, 1197-1200.	0.8	10
115	Relation between the microstructure and microchemistry in Ni-based superalloy. <i>Surface and Interface Analysis</i> , 2012, 44, 982-985.	0.8	10
116	Study of steel-CWC interface produced by solid-state capacitor discharge sintering. <i>Surface and Interface Analysis</i> , 2016, 48, 538-542.	0.8	10
117	Tuning hard and soft magnetic FePt nanocomposites. <i>Journal of Alloys and Compounds</i> , 2016, 663, 601-609.	2.8	10
118	Ultra-thin films of barium fluoride with low work function for thermionic-thermophotovoltaic applications. <i>Materials Chemistry and Physics</i> , 2020, 249, 122989.	2.0	10
119	XPS and optical properties of sol-gel processed vanadium pentoxide films. <i>Lithuanian Journal of Physics</i> , 2008, 48, 341-348.	0.1	10
120	Extra-Low Dosage Graphene Oxide Cementitious Nanocomposites: A Nano- to Macroscale Approach. <i>Nanomaterials</i> , 2021, 11, 3278.	1.9	10
121	Heating modification of an austenitic steel with high nitrogen content. <i>Surface and Interface Analysis</i> , 2010, 42, 726-729.	0.8	9
122	Reduction of graphene oxide by UHV annealing. <i>Surface and Interface Analysis</i> , 2018, 50, 1089-1093.	0.8	9
123	Depth profiling of $In_xGa_{1-x}As/GaAs$ superlattice. <i>Applied Surface Science</i> , 1993, 72, 89-93.	3.1	8
124	Noise removal from Auger images by using adaptive binomial filter. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995, 76, 399-404.	0.8	8
125	Tuning of the response kinetics by the impurity concentration in metal oxide gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 36-44.	4.0	8
126	Microchemical characterisation of carbon-metal interface in $Ti_6Al_4V_1SiC_f$ composites. <i>Surface and Interface Analysis</i> , 2010, 42, 707-711.	0.8	8

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127	XPS study of gold-based metallic glass. <i>Surface and Interface Analysis</i> , 2010, 42, 597-600.	0.8	8
128	Preparation, intercalation, and characterization of nanostructured (Zn, Al) layered double hydroxides (LDHs). <i>Surface and Interface Analysis</i> , 2018, 50, 1094-1098.	0.8	8
129	Three-Dimensional X-ray Imaging of β -Galactosidase Reporter Activity by Micro-CT: Implication for Quantitative Analysis of Gene Expression. <i>Brain Sciences</i> , 2021, 11, 746.	1.1	8
130	XPS study of the $\text{In}_x\text{Ga}_{1-x}\text{AsGaAs}$ superlattice. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1994, 70, 145-149.	0.8	7
131	Stability and oxidation of the sandwich type gas sensors based on thin metal films. <i>Sensors and Actuators B: Chemical</i> , 1998, 48, 376-382.	4.0	7
132	Thickness effect of constituent layers on gas sensitivity in $\text{SnO}_2/[\text{metal}]/\text{metal}$ multi-layers. <i>Sensors and Actuators B: Chemical</i> , 1999, 58, 478-485.	4.0	7
133	Surface chemical composition of $\text{MV}_{10}\text{Mo}_2\text{O}_{31}\cdot n\text{H}_2\text{O}$ ($M=\text{Na}_2, \text{K}_2, \text{Ca}, \text{Sr}, \text{Cu}$) xerogels. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000, 107, 253-259.	0.8	7
134	Surface defects on collection coins of precious metals. <i>Surface and Interface Analysis</i> , 2004, 36, 921-924.	0.8	7
135	Chemical composition of magnesium boride films obtained by CVD. <i>Surface and Interface Analysis</i> , 2008, 40, 741-745.	0.8	7
136	Investigation of graphene layers on electrodeposited polycrystalline metals. <i>Surface and Interface Analysis</i> , 2016, 48, 456-460.	0.8	7
137	Growth and characterization of ultrathin carbon films on electrodeposited Cu and Ni. <i>Surface and Interface Analysis</i> , 2017, 49, 1088-1094.	0.8	7
138	ESCA as a Tool for Exploration of Metals' Surface. <i>Coatings</i> , 2020, 10, 1182.	1.2	7
139	Hydroxyapatite Functionalized Calcium Carbonate Composites with Ag Nanoparticles: An Integrated Characterization Study. <i>Nanomaterials</i> , 2021, 11, 2263.	1.9	7
140	Role of the substrate deoxidation process in the growth of strained InAs/InP heterostructures. <i>Journal of Crystal Growth</i> , 1995, 150, 123-127.	0.7	6
141	XPS and electrochemical characterization of tarnish films on dental alloys. <i>Surface and Interface Analysis</i> , 2000, 30, 50-55.	0.8	6
142	Comparison between Roll Diffusion Bonding and Hot Isostatic Pressing Production Processes of $\text{Ti}_6\text{Al}_4\text{V}-\text{SiC}$ Metal Matrix Composites. <i>Materials Science Forum</i> , 2011, 678, 145-154.	0.3	6
143	Ion release and tarnishing behavior of Au and Pd based amorphous alloys in artificial sweat. <i>Corrosion Science</i> , 2013, 77, 135-142.	3.0	6
144	Corrosion effect to the surface of stainless steel treated by two processes of low temperature carburization. <i>Surface and Interface Analysis</i> , 2014, 46, 731-734.	0.8	6

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145	Influence of low-temperature carburising on metal release from AISI316L austenitic stainless steel in acetic acid. <i>Journal of Food Engineering</i> , 2014, 137, 7-15.	2.7	6
146	Welding of IN792 DS superalloy by electron beam. <i>Surface and Interface Analysis</i> , 2016, 48, 483-487.	0.8	6
147	Vapour phase nucleation of ZnO nanowires on GaN: growth habit, interface study and optical properties. <i>RSC Advances</i> , 2016, 6, 15087-15093.	1.7	6
148	Resin-Based Materials with Chlorhexidine-Loaded MCM-41: Surface Characteristics, Drug Release, and Antibiofilm Activity. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4144-4153.	2.6	6
149	Rhodium as efficient additive for boosting acetone sensing by TiO ₂ nanocrystals. Beyond the classical view of noble metal additives. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128338.	4.0	6
150	Aluminum (Oxy)nitride thin films grown by fs-PLD as electron emitters for thermionic applications. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	6
151	AES depth profile study of a GaAs/AlAs superlattice. <i>Surface and Interface Analysis</i> , 1991, 17, 816-818.	0.8	5
152	Surface study of thin film gas sensors on a Si micro-machined substrate. <i>Applied Surface Science</i> , 2002, 189, 39-52.	3.1	5
153	Long-Term Heat Treatments on Ti ₆ Al ₄ V-SiC_f; Composite. Part I - Microstructural Characterization. <i>Materials Science Forum</i> , 0, 604-605, 331-340.	0.3	5
154	The metals chemical states in hydrated vanadium oxides. <i>Micron</i> , 2009, 40, 126-129.	1.1	5
155	Discontinuous Precipitation in a High-Nitrogen Austenitic Steel. <i>Materials Science Forum</i> , 2010, 638-642, 3597-3602.	0.3	5
156	One-step substrate nanofabrication and patterning of nanoparticles by lithographically controlled etching. <i>Nanotechnology</i> , 2011, 22, 355301.	1.3	5
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