Janez KovaÄ•

List of Publications by Year
in descending order

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161 papers	3,778 citations	126708 33 h-index	174990 52 g-index
166 all docs	166 docs citations	166 times ranked	5234 citing authors

#	Article	IF	Citations
1	Surface modification of polyester by oxygenâ€•and nitrogenâ€plasma treatment. Surface and Interface Analysis, 2008, 40, 1444-1453.	0.8	249
2	Structural Properties and Antibacterial Effects of Hydrophobic and Oleophobic Solâ^'Gel Coatings for Cotton Fabrics. Langmuir, 2009, 25, 5869-5880.	1.6	180
3	Solâ€“gel coating of cellulose fibres with antimicrobial and repellent properties. Journal of Sol-Gel Science and Technology, 2008, 47, 44-57.	1.1	151
4	The effect of the cellulose-binding domain from Clostridium cellulovorans on the supramolecular structure of cellulose fibers. Carbohydrate Research, 2010, 345, 621-630.	1.1	108
5	Mechanisms of Copper-Based Catalyst Deactivation during CO₂ Reduction to Methanol. Industrial & Engineering Chemistry Research, 2019, 58, 13021-13029.	1.8	94
6	The roles of mercapto, benzene and methyl groups in the corrosion inhibition of imidazoles on copper: I. Experimental characterization. Corrosion Science, 2015, 98, 107-118.	3.0	90
7	Improved electronâ€“hole separation and migration in anatase TiO₂ nanorod/reduced graphene oxide composites and their influence on photocatalytic performance. Nanoscale, 2017, 9, 4578-4592.	2.8	81
8	Removal of aqueous manganese using the natural zeolitic tuff from the Vranjska Banja deposit in Serbia. Journal of Hazardous Materials, 2009, 172, 1450-1457.	6.5	74
9	XPS and AFM characterization of aminosilanes with different numbers of bonding sites on a silicon wafer. Surface and Interface Analysis, 2013, 45, 1709-1713.	0.8	66
10	Effects of mechanical and chemical pre-treatments on the morphology and composition of surfaces of aluminium alloys 7075-T6 and 2024-T3. Corrosion Science, 2017, 119, 46-59.	3.0	63
11	A Structural and Corrosion Study of Triethoxysilyl Functionalized POSS Coatings on AA 2024 Alloy. Langmuir, 2008, 24, 5029-5037.	1.6	58
12	The effect of CeO₂â€“ZrO₂ structural differences on the origin and reactivity of carbon formed during methane dry reforming over NiCo/CeO₂â€“ZrO₂ catalysts studied by transient techniques. Catalysis Science and Technology, 2017, 7, 5422-5434.	2.1	58
13	Multifunctional water and oil repellent and antimicrobial properties of finished cotton: influence of solâ€“gel finishing procedure. Journal of Sol-Gel Science and Technology, 2012, 61, 340-354.	1.1	56
14	Parameters optimization for synthesis of Al-doped ZnO nanoparticles by laser ablation in water. Applied Surface Science, 2018, 440, 916-925.	3.1	56
15	Optically Detected Degradation of NaYF₄:Yb,Tm-Based Upconversion Nanoparticles in Phosphate Buffered Saline Solution. Langmuir, 2017, 33, 553-560.	1.6	55
16	Increasing the Oxygen-Evolution Reaction Performance of Nanotubular Titanium Oxynitride-Supported Ir Nanoparticles by a Strong Metalâ€“Support Interaction. ACS Catalysis, 2020, 10, 13688-13700.	5.5	54
17	Improvement to the Corrosion Resistance of Ti-Based Implants Using Hydrothermally Synthesized Nanostructured Anatase Coatings. Materials, 2014, 7, 180-194.	1.3	50
18	Determination of Schottky barrier height and enhanced photoelectron generation in novel plasmonic immobilized multisegmented (Au/TiO₂) nanorod arrays (NRAs) suitable for solar energy conversion applications. Journal of Materials Chemistry C, 2017, 5, 10509-10516.	2.7	50

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19	Hydrothermal growth of iron oxide NPs with a uniform size distribution for magnetically induced hyperthermia: Structural, colloidal and magnetic properties. Journal of Alloys and Compounds, 2017, 694, 261-271.	2.8	50
20	XPS study of the deposited Ti layer in a magnetron-type sputter ion pump. Applied Surface Science, 2006, 253, 2941-2946.	3.1	48
21	Oxygen plasma functionalization of poly(p-phenilene sulphide). Applied Surface Science, 2007, 253, 8669-8673.	3.1	43
22	Corrosion and surface study of sputtered Alâ€“W coatings with a range of tungsten contents. Corrosion Science, 2013, 69, 359-368.	3.0	43
23	Effect of the Morphology of the High-Surface-Area Support on the Performance of the Oxygen-Evolution Reaction for Iridium Nanoparticles. ACS Catalysis, 2021, 11, 670-681.	5.5	40
24	The Effect of Surface Roughness on the Corrosion Properties of Type AISI 304 Stainless Steel in Diluted NaCl and Urban Rain Solution. Journal of Materials Engineering and Performance, 2014, 23, 1695-1702.	1.2	39
25	Kinetics, thermodynamics, and structural investigations on the removal of Pb2+, Cd2+, and Zn2+ from multicomponent solutions onto natural and Fe(III)-modified zeolites. Clean Technologies and Environmental Policy, 2015, 17, 407-419.	2.1	39
26	Influence of thermo-mechanical cycling on porcelain bonding to cobaltâ€“chromium and titanium dental alloys fabricated by casting, milling, and selective laser melting. Journal of Prosthodontic Research, 2018, 62, 184-194.	1.1	39
27	The effect of the valence state of titanium ions on the hydrophilicity of ceramics in the titaniumâ€“oxygen system. Journal of the European Ceramic Society, 2008, 28, 577-584.	2.8	38
28	3D-to-2D Morphology Manipulation of Sputter-Deposited Nanoscale Silver Films on Weakly Interacting Substrates via Selective Nitrogen Deployment for Multifunctional Metal Contacts. ACS Applied Nano Materials, 2020, 3, 4728-4738.	2.4	38
29	Effect of deep cryogenic treatment on surface chemistry and microstructure of selected high-speed steels. Applied Surface Science, 2021, 548, 149257.	3.1	38
30	The effect of pH, fluoride and tribocorrosion on the surface properties of dental archwires. Materials Science and Engineering C, 2017, 78, 682-689.	3.8	37
31	Nanoscale zerovalent iron (nZVI) supported by natural and acid-activated sepiolites: the effect of the nZVI/support ratio on the composite properties and Cd2+ adsorption. Environmental Science and Pollution Research, 2017, 24, 628-643.	2.7	36
32	Improved Optoelectronic Properties of Silicon Nanocrystals/Polymer Nanocomposites by Microplasma-Induced Liquid Chemistry. Journal of Physical Chemistry C, 2013, 117, 23198-23207.	1.5	35
33	Visible-light active mesoporous, nanocrystalline N,S-doped and co-doped titania photocatalysts synthesized by non-hydrolytic sol-gel route. Ceramics International, 2016, 42, 16718-16728.	2.3	35
34	Structural and CO₂ Capture Properties of Ethylenediamine-Modified HKUST-1 Metalâ€“Organic Framework. Crystal Growth and Design, 2020, 20, 5455-5465.	1.4	35
35	Titanium Dioxide Nanotube Arrays for Cardiovascular Stent Applications. ACS Omega, 2020, 5, 7280-7289.	1.6	35
36	A structural and corrosion study of triethoxysilyl and perfluorooctyl functionalized polyhedral silsesquioxane nanocomposite films on AA 2024 alloy. Thin Solid Films, 2010, 518, 2710-2721.	0.8	33

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37	Multifunctional superhydrophobic/oleophobic and flame-retardant cellulose fibres with improved ice-releasing properties and passive antibacterial activity prepared via the solâ€“gel method. Journal of Sol-Gel Science and Technology, 2014, 70, 385-399.	1.1	33
38	Tribological aspects related to the morphology of PVD hard coatings. Surface and Coatings Technology, 2018, 343, 138-147.	2.2	33
39	Hydrothermal synthesis of a nanocrystalline anatase layer on Ti6A4V implants. Surface and Coatings Technology, 2009, 203, 1462-1468.	2.2	30
40	Photocatalytic properties of TiO2 and TiO2/Pt: A sol-precipitation, sonochemical and hydrothermal approach. Ultrasonics Sonochemistry, 2014, 21, 367-375.	3.8	28
41	Sterilization of polypropylene membranes of facepiece respirators by ionizing radiation. Journal of Membrane Science, 2021, 619, 118756.	4.1	27
42	Effect of Au loading on Schottky barrier height in TiO2Â+ÂAu plasmonic photocatalysts. Applied Surface Science, 2022, 579, 152196.	3.1	26
43	Ion irradiation stability of multilayered AlN/TiN nanocomposites. Journal Physics D: Applied Physics, 2010, 43, 065302.	1.3	25
44	Oxidation of Inconel 625 superalloy upon treatment with oxygen or hydrogen plasma at high temperature. Applied Surface Science, 2014, 305, 674-682.	3.1	25
45	Prolonged protection, by zirconium conversion coatings, of AlSi7Mg0.3 aluminium alloy in chloride solution. Corrosion Science, 2020, 169, 108615.	3.0	25
46	Temperature Stable Dielectric Behavior of Solâ€“Gel Derived Compositionally Graded <scp><scp>SrTiO</scp></scp>₃/<scp><scp>Na</scp></scp>_{0.5}<scp><scp>Bi</scp></scp>_{0.5}< Thin Films. Journal of the American Ceramic Society, 2013, 96, 3511-3517.	1.9	23
47	Enhanced biocompatibility of TiO2surfaces by highly reactive plasma. Journal Physics D: Applied Physics, 2016, 49, 244002.	1.3	23
48	TiO2-Î²-Bi2O3 junction as a leverage for the visible-light activity of TiO2 based catalyst used for environmental applications. Catalysis Today, 2021, 361, 165-175.	2.2	23
49	Structural optimisation of a multifunctional water- and oil-repellent, antibacterial, and flame-retardant solâ€“gel coating on cellulose fibres. Cellulose, 2017, 24, 1511-1528.	2.4	22
50	Enhancement of strength of adhesive bond between wood and metal using atmospheric plasma treatment. Cellulose, 2020, 27, 6411-6424.	2.4	22
51	The influence of Schottky barrier height onto visible-light triggered photocatalytic activity of TiO2Â+ÂAu composites. Applied Surface Science, 2021, 543, 148799.	3.1	22
52	A comparison of Ar ion implantation and swift heavy Xe ion irradiation effects on immiscible AlN/TiN multilayered nanostructures. Materials Chemistry and Physics, 2012, 133, 884-892.	2.0	21
53	Deposition of SiOxCyHz Protective Coatings on Polymer Substrates in an Industrial-Scale PECVD Reactor. Coatings, 2019, 9, 234.	1.2	21
54	The Effect of the Methyl and Ethyl Group of the Acrylate Precursor in Hybrid Silane Coatings Used for Corrosion Protection of Aluminium Alloy 7075-T6. Coatings, 2020, 10, 172.	1.2	21

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55	Cold atmospheric pressure plasmaâ€assisted removal of aflatoxin B₁ from contaminated corn kernels. Plasma Processes and Polymers, 2021, 18, .	1.6	21
56	Investigations on an integrated conducting nanoparticleâ€“liquid crystal elastomer layer. Nanotechnology, 2007, 18, 415706.	1.3	20
57	Preparation of a TiMEMO nanocomposite by the solâ€“gel method and its application in coloured thickness insensitive spectrally selective (TISS) coatings. Solar Energy Materials and Solar Cells, 2008, 92, 1149-1161.	3.0	20
58	Bacteriostatic photocatalytic properties of cotton modified with TiO2 and TiO2/aminopropyltriethoxysilane. Cellulose, 2015, 22, 3441-3463.	2.4	20
59	Molecular imaging of cannabis leaf tissue with MeV-SIMS method. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 205-210.	0.6	20
60	Targeted plasma functionalization of titanium inhibits polymicrobial biofilm recolonization and stimulates cell function. Applied Surface Science, 2019, 487, 1176-1188.	3.1	19
61	Nanolayer CrAlN/TiSiN coating designed for tribological applications. Ceramics International, 2021, 47, 2022-2033.	2.3	19
62	Sorption of Cr3+ on clinoptilolite tuff: A structural investigation. Microporous and Mesoporous Materials, 2006, 93, 275-284.	2.2	18
63	Development of highly sensitive and ultra-fast visible-light photodetector using nano-CdS thin film. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	18
64	Effect of Oxygen Plasma on Sprout and Root Growth, Surface Morphology and Yield of Garlic. Plants, 2019, 8, 462.	1.6	17
65	Evolution of phase composition and microstructure of sodium potassium niobate â€“based ceramic during pressure-less spark plasma sintering and post-annealing. Ceramics International, 2019, 45, 10429-10437.	2.3	17
66	Influence of Anodization-Electrolyte Aging on the Photocatalytic Activity of TiO₂ Nanotube Arrays. Journal of Physical Chemistry C, 2020, 124, 4073-4080.	1.5	17
67	Apatite-forming ability of alumina and zirconia ceramics in a supersaturated Ca/P solution. New Biotechnology, 2007, 24, 467-471.	2.7	16
68	Microstructural, compositional and magnetic characterization of electrodeposited and annealed Coâ€“Pt-based thin films. Thin Solid Films, 2010, 518, 1751-1755.	0.8	16
69	Growth of amorphous SiC film on Si by means of ion beam induced mixing. Applied Surface Science, 2012, 263, 367-372.	3.1	16
70	Surface precipitation of chromium in rapidly solidified Cuâ€“Cr alloys. Applied Surface Science, 2013, 277, 83-87.	3.1	16
71	Initial stages in functionalization of polystyrene upon treatment with oxygen plasma late flowing afterglow. Plasma Sources Science and Technology, 2018, 27, 094005.	1.3	16
72	Ion irradiation induced solid-state amorphous reaction in Ni/Ti multilayers. Applied Surface Science, 2013, 268, 516-523.	3.1	15

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73	Silicon Surface Deoxidation Using Strontium Oxide Deposited with the Pulsed Laser Deposition Technique. ACS Applied Materials & Interfaces, 2014, 6, 18205-18214.	4.0	15
74	Modification of polytetrafluoroethylene surfaces using H2S plasma treatment. Applied Surface Science, 2015, 357, 1325-1332.	3.1	15
75	Effect of H2S Plasma Treatment on the Surface Modification of a Polyethylene Terephthalate Surface. Materials, 2016, 9, 95.	1.3	14
76	CeO2 and TiO2 support material effects on NH3 decomposition pathway mechanism over Cuâ€“Zn catalysts. Fuel Processing Technology, 2021, 215, 106752.	3.7	14
77	Are Perovskite Solar Cell Potentialâ€Induced Degradation Proof?. Solar Rrl, 2022, 6, .	3.1	14
78	ToF-SIMS Depth Profiling of Metal, Metal Oxide, and Alloy Multilayers in Atmospheres of H₂, C₂H₂, CO, and O₂. Journal of the American Society for Mass Spectrometry, 2022, 33, 31-44.	1.2	14
79	Elaboration of nano-structured grafted polymeric surface. Journal of Colloid and Interface Science, 2011, 362, 300-310.	5.0	13
80	In situ generation of 3D graphene-like networks from cellulose nanofibres in sintered ceramics. Nanoscale, 2018, 10, 10488-10497.	2.8	13
81	Growth mechanism of epitaxial SrTiO₃ on a (1 Ã— 2) + (2 Ã— 1) reconstructed Sr(1/2 ML)/Si(001) surface. Journal of Materials Chemistry C, 2020, 8, 518-527.	2.7	13
82	Comparison of the Electrochemical Behaviour and Self-sealing of Zirconium Conversion Coatings Applied on Aluminium Alloys of series 1xxx to 7xxx. Journal of the Electrochemical Society, 2020, 167, 111506.	1.3	13
83	Near-surface chemistry in Zr2Fe and ZrVFe studied by means of x-ray photoemission spectroscopy: A temperature-dependent study. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 2950-2956.	0.9	12
84	Combining polyNiPAAm/chitosan microgel and bio-barrier polysiloxane matrix to create smart cotton fabric with responsive moisture management and antibacterial properties: influence of the application process. Journal of Sol-Gel Science and Technology, 2017, 83, 19-34.	1.1	12
85	Oxidation processes in vanadium-based single-layer and nanolayer hard coatings. Vacuum, 2017, 138, 230-237.	1.6	12
86	Influence of liquefied wood polyol on the physical-mechanical and thermal properties of epoxy based polymer. Polymer Testing, 2017, 64, 207-216.	2.3	12
87	Defluorination of Polytetrafluoroethylene Surface by Hydrogen Plasma. Polymers, 2020, 12, 2855.	2.0	12
88	Multi-stoichiometric quasi-two-dimensional W_nO_{3nâ^'1} tungsten oxides. Nanoscale, 2020, 12, 15102-15114.	2.8	12
89	Tribochemical reactions on sliding surface of the sintered metallic brake linings against SiC ceramic brake disk. Wear, 2012, 292-293, 232-238.	1.5	11
90	Electrochromic coatings made of surface modified rutile and anatase pigments: Influence of trisilanol POSS dispersant on electrochromic effect. Applied Surface Science, 2014, 313, 484-497.	3.1	11

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91	Enzymatic scouring and low-temperature bleaching of fabrics constructed from cotton, regenerated bamboo, poly(lactic acid), and soy protein fibers. Fibers and Polymers, 2015, 16, 1723-1733.	1.1	11
92	Removal of manganese in batch and fluidized bed systems using beads of zeolite a as adsorbent. Microporous and Mesoporous Materials, 2016, 226, 378-385.	2.2	11
93	Analysis of the Thermal Stability of Very Thin Surface Layers of Corrosion Inhibitors by Time-of-Flight Secondary Ion Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2018, 29, 2305-2316.	1.2	11
94	Additive Manufacturing of Ferroelectric-Oxide Thin-Film Multilayer Devices. ACS Applied Materials & Interfaces, 2019, 11, 45155-45160.	4.0	11
95	Influence of Laser Colour Marking on the Corrosion Properties of Low Alloyed Ti. Coatings, 2019, 9, 375.	1.2	11
96	Physicochemical and tribological characterizations of WDLC coatings and ionic-liquid lubricant additives: Potential candidates for low friction under boundary-lubrication conditions. Tribology International, 2020, 151, 106482.	3.0	11
97	Roles of Chloride Ions in the Formation of Corrosion Protective Films on Copper. Journal of the Electrochemical Society, 2021, 168, 031504.	1.3	11
98	Quantification of AES depth profiles by the MRI model. Applied Surface Science, 2003, 207, 128-134.	3.1	10
99	The importance of annealing and stages coverage on the epitaxial growth of complex oxides on silicon by pulsed laser deposition. RSC Advances, 2017, 7, 24709-24717.	1.7	10
100	The effect of surface oxidation on the catalytic properties of Ga3Ni2 intermetallic compound for carbon dioxide reduction. Journal of Analytical Science and Technology, 2018, 9, .	1.0	10
101	Exploring the impact of calcination parameters on the crystal structure, morphology, and optical properties of electrospun Fe₂TiO₅ nanofibers. RSC Advances, 2021, 11, 32358-32368.	1.7	10
102	Characterization of the Amorphous Phase and the Nanosized Crystallites in Highâ€Energyâ€Milled Leadâ€“Magnesiumâ€“Niobate Powder. Journal of the American Ceramic Society, 2009, 92, 1224-1229.	1.9	9
103	A surface-chemistry study of barium ferrite nanoplates with DBSa-modified surfaces. Applied Surface Science, 2014, 305, 366-374.	3.1	9
104	A novel bismuth imidazolate-based sensor for detection of trace lead(II). Sensors and Actuators B: Chemical, 2019, 291, 354-361.	4.0	9
105	PECVD of Hexamethyldisiloxane Coatings Using Extremely Asymmetric Capacitive RF Discharge. Materials, 2020, 13, 2147.	1.3	9
106	Formation of Fe(III)-phosphonate Coatings on Barium Hexaferrite Nanoplatelets for Porous Nanomagnets. ACS Omega, 2020, 5, 14086-14095.	1.6	9
107	Pre-oxidation of selective-laser-melted titanium dental alloy: effects on surface characteristics and porcelain bonding. Journal of Adhesion Science and Technology, 2021, 35, 2094-2109.	1.4	9
108	Toward a Flexible and Efficient TiO₂ Photocatalyst Immobilized on a Titanium Foil. ACS Omega, 2021, 6, 23233-23242.	1.6	9

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109	In situ reactivation of low-temperature thermionic electron emission from nitrogen doped diamond films by hydrogen exposure. Diamond and Related Materials, 2014, 50, 151-156.	1.8	8
110	Evolution of the nitrogen depth distribution in an implanted titanium alloy with a surface carbon nanolayer. Chemical Physics Letters, 2017, 679, 25-30.	1.2	8
111	Characterization of Gaseous Plasma Sustained in Mixtures of HMDSO and O2 in an Industrial-Scale Reactor. Plasma Chemistry and Plasma Processing, 2020, 40, 25-42.	1.1	8
112	High dose ion irradiation effects on immiscible AlN/TiN nano-scaled multilayers. Thin Solid Films, 2013, 544, 562-566.	0.8	7
113	Characterization of tungsten films and their hydrogen permeability. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, 061511.	0.9	7
114	Metallurgical Soldering of Duplex CrN Coating in Contact with Aluminum Alloy. Coatings, 2020, 10, 303.	1.2	7
115	Hydroxyapatite conjugated graphene nanoplatelets vs. multi-walled carbon nanotubes for enhanced dye removal. , 0, 192, 340-357.		7
116	Depth profiling of thin plasma-polymerized amine films using GDOES in an Ar-O2 plasma. Applied Surface Science, 2022, 581, 152292.	3.1	7
117	Copper surface enrichment of Agï£¿Cu alloys. Surface and Interface Analysis, 2010, 42, 662-665.	0.8	6
118	Improved Sprout Emergence of Garlic Cloves by Plasma Treatment. Plasma Medicine, 2016, 6, 325-338.	0.2	6
119	Surface Properties of Retrieved Cementless Femoral Hip Endoprostheses Produced from a Ti6Al7Nb Alloy. Coatings, 2019, 9, 868.	1.2	6
120	Laser-Assisted Surface Texturing of Ti/Zr Multilayers for Mesenchymal Stem Cell Response. Coatings, 2019, 9, 854.	1.2	6
121	Atmospheric pressure plasma jetâ€“assisted impregnation of gold nanoparticles into PVC polymer for various applications. International Journal of Advanced Manufacturing Technology, 2019, 101, 927-938.	1.5	6
122	Differences in nano-topography and tribochemistry of ZDDP tribofilms from variations in contact configuration with steel and DLC surfaces. Friction, 2022, 10, 296-315.	3.4	6
123	Enzyme Catalyzed Copolymerization of Lignosulfonates for Hydrophobic Coatings. Frontiers in Bioengineering and Biotechnology, 2021, 9, 697310.	2.0	6
124	The effect of ageing on bonding performance of plasma treated beech wood with urea-formaldehyde adhesive. Cellulose, 2021, 28, 2461-2478.	2.4	6
125	What role does carbonized tannic acid play in energy storage composites?. Fuel, 2022, 312, 122930.	3.4	6
126	Solid Phase Peptide Synthesis on Chitosan Thin Films. Biomacromolecules, 2022, 23, 731-742.	2.6	6

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127	Deposition Kinetics of Thin Silica-Like Coatings in a Large Plasma Reactor. Materials, 2019, 12, 3238.	1.3	5
128	Response of NIH 3T3 Fibroblast Cells on Laser-Induced Periodic Surface Structures on a 15Ã—(Ti/Zr)/Si Multilayer System. Nanomaterials, 2020, 10, 2531.	1.9	5
129	An experimental study of the electronic structure of C60 films grown at the Ag(110) surface. Journal of Electron Spectroscopy and Related Phenomena, 1995, 72, 71-75.	0.8	4
130	Surface composition of a Ag-5.1Cu (mass%) alloy. International Journal of Materials Research, 2009, 100, 311-314.	0.1	4
131	Surface of Znâ€“Mnâ€“O and its role in room temperature ferromagnetism: An XPS analysis. Applied Surface Science, 2010, 257, 937-943.	3.1	4
132	Hydrogen permeability of AISI 316 ITER grade stainless steel. Journal of Nuclear Materials, 2019, 521, 38-44.	1.3	4
133	Extracellular Vesicle Isolation Yields Increased by Low-Temperature Gaseous Plasma Treatment of Polypropylene Tubes. Polymers, 2020, 12, 2363.	2.0	4
134	Customization of Sn₂P₂S₆ ferroelectrics by post-growth solid-state diffusion doping. Journal of Materials Chemistry C, 2020, 8, 9975-9985.	2.7	4
135	Depassivation and repassivation of stainless steels by stepwise pH change. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 421-433.	0.8	4
136	Structural and electrochemical properties of carbon ion beam irradiated 12-tungstophosphoric acid. Radiation Physics and Chemistry, 2021, 183, 109422.	1.4	4
137	Synthesis and Characterization of Tungsten Suboxide WnO3nâˆ’1 Nanotiles. Nanomaterials, 2021, 11, 1985.	1.9	4
138	Tetragonal or monoclinic ZrO2 thin films from Zr-based glassy templates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, .	0.9	3
139	Area-selective epoxy coatings by DBD-PECVD in 3D cavities for protein coupling. Surface Innovations, 2015, 3, 206-214.	1.4	3
140	The Oleofobization of Paper via Plasma Treatment. Polymers, 2021, 13, 2148.	2.0	3
141	Production of butadiene by oxidative butane dehydrogenation with NO: effect of the oxidant species and lattice oxygen mobility in V₂O₅â€“WO₃/TiO₂ catalyst. Catalysis Science and Technology, 2022, 12, 2990-3003.	2.1	3
142	Unraveling the Mechanism of Maskless Nanopatterning of Black Silicon by CF₄/H₂ Plasma Reactive-Ion Etching. ACS Omega, 2022, 7, 25600-25612.	1.6	3
143	Spectromicroscopic study of bimetal/semiconductor interfaces by synchrotron light. Vacuum, 2003, 71, 3-10.	1.6	2
144	Artifacts in multilayer depth profiling: Origin and quantification of a double peak layer profile of Ag in ToF-SIMS depth profiles of an Ag/Ni multilayer. Materials Characterization, 2021, 171, 110774.	1.9	2

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145	MeV TOF SIMS Analysis of Hybrid Organic/Inorganic Compounds in the Low Energy Region. Journal of the American Society for Mass Spectrometry, 2021, 32, 825-831.	1.2	2
146	Polyhedral oligomeric silsesquioxanes as protective monolayer coatings against the high-temperature corrosion of concentrating solar power absorber surfaces. Solar Energy Materials and Solar Cells, 2021, 223, 110984.	3.0	2
147	Molecular imaging of humain hair with MeV-SIMS: A case study of cocaine detection and distribution in the hair of a cocaine user. PLoS ONE, 2022, 17, e0263338.	1.1	2
148	Quantification of Ag/Ni Auger electron spectroscopy depth profiles upon preferential sputtering with non-stationary roughness. Thin Solid Films, 2022, 750, 139202.	0.8	2
149	Biocompatibility and Mechanical Stability of Nanopatterned Titanium Films on Stainless Steel Vascular Stents. International Journal of Molecular Sciences, 2022, 23, 4595.	1.8	2
150	Hydroxylation of polypropylene using the monooxygenase mutant 139-3 fromBacillus megaterium BM3. Biocatalysis and Biotransformation, 2012, 30, 57-62.	1.1	1
151	Preparation of air-stable expandable MoS2 and rapid expansion by low temperature heating and electron beam irradiation. Materials Letters, 2018, 218, 229-232.	1.3	1
152	The Influence of a Surface Treatment of Metallic Titanium on the Photocatalytic Properties of TiO2 Nanotubes Grown by Anodic Oxidation. Catalysts, 2020, 10, 803.	1.6	1
153	Removal of Copper from Aqueous Solutions withÂZeolites and Possible Treatment of Exhaust Materials. Chemie-Ingenieur-Technik, 2021, 93, 941-948.	0.4	1
154	Deuterium retention in liquid tin exposed to atomic deuterium flux. Nuclear Fusion, 2021, 61, 026009.	1.6	1
155	Quantitative evaluation of contributions to interface broadening in metal/silicon multilayers. Surface and Interface Analysis, 2004, 36, 841-844.	0.8	0
156	Quantification of the N₂⁺ Implanted AES Depth Profiles in Cobalt Films. Advanced Materials Research, 0, 557-559, 1635-1640.	0.3	0
157	POSS-modified black pigment for CSP deployment. AIP Conference Proceedings, 2018, , .	0.3	0
158	Laser induced mixing in multilayered Ti/Ta thin film structures. Optical and Quantum Electronics, 2018, 50, 1.	1.5	0
159	Utilization of spray coated nano-crystalline cadmium sulfide thin film for photo-detector application. AIP Conference Proceedings, 2020, , .	0.3	0
160	Explanation of the apparent depth resolution improvement by SIMS using cluster ion detection. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 034010.	0.6	0
161	Depth profiling of Cr-ITO dual-layer sample with secondary ion mass spectrometry using MeV ions in the low energy region. Scientific Reports, 2022, 12, .	1.6	0