

Janez Kovač

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	Differences in nano-topography and tribochemistry of ZDDP tribofilms from variations in contact configuration with steel and DLC surfaces. <i>Friction</i> , 2022, 10, 296-315.	3.4	6
2	What role does carbonized tannic acid play in energy storage composites?. <i>Fuel</i> , 2022, 312, 122930.	3.4	6
3	Effect of Au loading on Schottky barrier height in TiO ₂ +Au plasmonic photocatalysts. <i>Applied Surface Science</i> , 2022, 579, 152196.	3.1	26
4	Depth profiling of thin plasma-polymerized amine films using GDOES in an Ar-O ₂ plasma. <i>Applied Surface Science</i> , 2022, 581, 152292.	3.1	7
5	Solid Phase Peptide Synthesis on Chitosan Thin Films. <i>Biomacromolecules</i> , 2022, 23, 731-742.	2.6	6
6	Production of butadiene by oxidative butane dehydrogenation with NO: effect of the oxidant species and lattice oxygen mobility in V ₂ O ₅ WO ₃ /TiO ₂ catalyst. <i>Catalysis Science and Technology</i> , 2022, 12, 2990-3003.	2.1	3
7	Molecular imaging of human hair with MeV-SIMS: A case study of cocaine detection and distribution in the hair of a cocaine user. <i>PLoS ONE</i> , 2022, 17, e0263338.	1.1	2
8	Quantification of Ag/Ni Auger electron spectroscopy depth profiles upon preferential sputtering with non-stationary roughness. <i>Thin Solid Films</i> , 2022, 750, 139202.	0.8	2
9	Are Perovskite Solar Cell Potential-Induced Degradation Proof?. <i>Solar Rrl</i> , 2022, 6, .	3.1	14
10	ToF-SIMS Depth Profiling of Metal, Metal Oxide, and Alloy Multilayers in Atmospheres of H ₂ , C ₂ H ₂ , CO, and O ₂ . <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 31-44.	1.2	14
11	Biocompatibility and Mechanical Stability of Nanopatterned Titanium Films on Stainless Steel Vascular Stents. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4595.	1.8	2
12	Depth profiling of Cr-ITO dual-layer sample with secondary ion mass spectrometry using MeV ions in the low energy region. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
13	Unraveling the Mechanism of Maskless Nanopatterning of Black Silicon by CF ₄ /H ₂ Plasma Reactive-Ion Etching. <i>ACS Omega</i> , 2022, 7, 25600-25612.	1.6	3
14	TiO ₂ -Bi ₂ O ₃ junction as a leverage for the visible-light activity of TiO ₂ based catalyst used for environmental applications. <i>Catalysis Today</i> , 2021, 361, 165-175.	2.2	23
15	Depassivation and repassivation of stainless steels by stepwise pH change. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 421-433.	0.8	4
16	Cold atmospheric pressure plasma-assisted removal of aflatoxin B ₁ from contaminated corn kernels. <i>Plasma Processes and Polymers</i> , 2021, 18, .	1.6	21
17	Nanolayer CrAlN/TiSiN coating designed for tribological applications. <i>Ceramics International</i> , 2021, 47, 2022-2033.	2.3	19
18	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. <i>Materials Characterization</i> , 2021, 171, 110774.	1.9	2

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19	Sterilization of polypropylene membranes of facepiece respirators by ionizing radiation. <i>Journal of Membrane Science</i> , 2021, 619, 118756.	4.1	27
20	Pre-oxidation of selective-laser-melted titanium dental alloy: effects on surface characteristics and porcelain bonding. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 2094-2109.	1.4	9
21	MeV TOF SIMS Analysis of Hybrid Organic/Inorganic Compounds in the Low Energy Region. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 825-831.	1.2	2
22	Removal of Copper from Aqueous Solutions with Zeolites and Possible Treatment of Exhaust Materials. <i>Chemie-Ingenieur-Technik</i> , 2021, 93, 941-948.	0.4	1
23	Roles of Chloride Ions in the Formation of Corrosion Protective Films on Copper. <i>Journal of the Electrochemical Society</i> , 2021, 168, 031504.	1.3	11
24	The influence of Schottky barrier height onto visible-light triggered photocatalytic activity of TiO ₂ +Au composites. <i>Applied Surface Science</i> , 2021, 543, 148799.	3.1	22
25	Development of highly sensitive and ultra-fast visible-light photodetector using nano-CdS thin film. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	18
26	Effect of deep cryogenic treatment on surface chemistry and microstructure of selected high-speed steels. <i>Applied Surface Science</i> , 2021, 548, 149257.	3.1	38
27	CeO ₂ and TiO ₂ support material effects on NH ₃ decomposition pathway mechanism over Cu-Zn catalysts. <i>Fuel Processing Technology</i> , 2021, 215, 106752.	3.7	14
28	Polyhedral oligomeric silsesquioxanes as protective monolayer coatings against the high-temperature corrosion of concentrating solar power absorber surfaces. <i>Solar Energy Materials and Solar Cells</i> , 2021, 223, 110984.	3.0	2
29	Structural and electrochemical properties of carbon ion beam irradiated 12-tungstophosphoric acid. <i>Radiation Physics and Chemistry</i> , 2021, 183, 109422.	1.4	4
30	The Oleophobicity of Paper via Plasma Treatment. <i>Polymers</i> , 2021, 13, 2148.	2.0	3
31	Enzyme Catalyzed Copolymerization of Lignosulfonates for Hydrophobic Coatings. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 697310.	2.0	6
32	Synthesis and Characterization of Tungsten Suboxide WnO _{3n-1} Nanotiles. <i>Nanomaterials</i> , 2021, 11, 1985.	1.9	4
33	Toward a Flexible and Efficient TiO ₂ Photocatalyst Immobilized on a Titanium Foil. <i>ACS Omega</i> , 2021, 6, 23233-23242.	1.6	9
34	Exploring the impact of calcination parameters on the crystal structure, morphology, and optical properties of electrospun Fe ₂ TiO ₅ nanofibers. <i>RSC Advances</i> , 2021, 11, 32358-32368.	1.7	10
35	The effect of ageing on bonding performance of plasma treated beech wood with urea-formaldehyde adhesive. <i>Cellulose</i> , 2021, 28, 2461-2478.	2.4	6
36	Effect of the Morphology of the High-Surface-Area Support on the Performance of the Oxygen-Evolution Reaction for Iridium Nanoparticles. <i>ACS Catalysis</i> , 2021, 11, 670-681.	5.5	40

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37	Deuterium retention in liquid tin exposed to atomic deuterium flux. Nuclear Fusion, 2021, 61, 026009.	1.6	1
38	Characterization of Gaseous Plasma Sustained in Mixtures of HMDSO and O ₂ in an Industrial-Scale Reactor. Plasma Chemistry and Plasma Processing, 2020, 40, 25-42.	1.1	8
39	Growth mechanism of epitaxial SrTiO ₃ on a (1 Å ⁻²) + (2 Å ⁻¹) reconstructed Sr(1/2 ML)/Si(001) surface. Journal of Materials Chemistry C, 2020, 8, 518-527.	2.7	13
40	Structural and CO ₂ Capture Properties of Ethylenediamine-Modified HKUST-1 Metal-Organic Framework. Crystal Growth and Design, 2020, 20, 5455-5465.	1.4	35
41	Utilization of spray coated nano-crystalline cadmium sulfide thin film for photo-detector application. AIP Conference Proceedings, 2020, , .	0.3	0
42	Increasing the Oxygen-Evolution Reaction Performance of Nanotubular Titanium Oxynitride-Supported Ir Nanoparticles by a Strong Metal-Support Interaction. ACS Catalysis, 2020, 10, 13688-13700.	5.5	54
43	Extracellular Vesicle Isolation Yields Increased by Low-Temperature Gaseous Plasma Treatment of Polypropylene Tubes. Polymers, 2020, 12, 2363.	2.0	4
44	The Influence of a Surface Treatment of Metallic Titanium on the Photocatalytic Properties of TiO ₂ Nanotubes Grown by Anodic Oxidation. Catalysts, 2020, 10, 803.	1.6	1
45	Response of NIH 3T3 Fibroblast Cells on Laser-Induced Periodic Surface Structures on a 15Å ⁻¹ -(Ti/Zr)/Si Multilayer System. Nanomaterials, 2020, 10, 2531.	1.9	5
46	Defluorination of Polytetrafluoroethylene Surface by Hydrogen Plasma. Polymers, 2020, 12, 2855.	2.0	12
47	Enhancement of strength of adhesive bond between wood and metal using atmospheric plasma treatment. Cellulose, 2020, 27, 6411-6424.	2.4	22
48	PECVD of Hexamethyldisiloxane Coatings Using Extremely Asymmetric Capacitive RF Discharge. Materials, 2020, 13, 2147.	1.3	9
49	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
50	Customization of Sn ₂ P ₂ S ₆ ferroelectrics by post-growth solid-state diffusion doping. Journal of Materials Chemistry C, 2020, 8, 9975-9985.	2.7	4
51	Multi-stoichiometric quasi-two-dimensional W _n O _{3n+1} tungsten oxides. Nanoscale, 2020, 12, 15102-15114.	2.8	12
52	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
53	Formation of Fe(III)-phosphonate Coatings on Barium Hexaferrite Nanoplatelets for Porous Nanomagnets. ACS Omega, 2020, 5, 14086-14095.	1.6	9
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	Influence of Anodization-Electrolyte Aging on the Photocatalytic Activity of TiO ₂ Nanotube Arrays. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4073-4080.	1.5	17
56	Prolonged protection, by zirconium conversion coatings, of AlSi7Mg0.3 aluminium alloy in chloride solution. <i>Corrosion Science</i> , 2020, 169, 108615.	3.0	25
57	Titanium Dioxide Nanotube Arrays for Cardiovascular Stent Applications. <i>ACS Omega</i> , 2020, 5, 7280-7289.	1.6	35
58	Metallurgical Soldering of Duplex CrN Coating in Contact with Aluminum Alloy. <i>Coatings</i> , 2020, 10, 303.	1.2	7
59	3D-to-2D Morphology Manipulation of Sputter-Deposited Nanoscale Silver Films on Weakly Interacting Substrates via Selective Nitrogen Deployment for Multifunctional Metal Contacts. <i>ACS Applied Nano Materials</i> , 2020, 3, 4728-4738.	2.4	38
60	Comparison of the Electrochemical Behaviour and Self-sealing of Zirconium Conversion Coatings Applied on Aluminium Alloys of series 1xxx to 7xxx. <i>Journal of the Electrochemical Society</i> , 2020, 167, 111506.	1.3	13
61	Mechanisms of Copper-Based Catalyst Deactivation during CO ₂ Reduction to Methanol. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13021-13029.	1.8	94
62	Deposition Kinetics of Thin Silica-Like Coatings in a Large Plasma Reactor. <i>Materials</i> , 2019, 12, 3238.	1.3	5
63	Effect of Oxygen Plasma on Sprout and Root Growth, Surface Morphology and Yield of Garlic. <i>Plants</i> , 2019, 8, 462.	1.6	17
64	Additive Manufacturing of Ferroelectric-Oxide Thin-Film Multilayer Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45155-45160.	4.0	11
65	Targeted plasma functionalization of titanium inhibits polymicrobial biofilm recolonization and stimulates cell function. <i>Applied Surface Science</i> , 2019, 487, 1176-1188.	3.1	19
66	Influence of Laser Colour Marking on the Corrosion Properties of Low Alloyed Ti. <i>Coatings</i> , 2019, 9, 375.	1.2	11
67	Deposition of SiO _x CyHz Protective Coatings on Polymer Substrates in an Industrial-Scale PECVD Reactor. <i>Coatings</i> , 2019, 9, 234.	1.2	21
68	A novel bismuth imidazolate-based sensor for detection of trace lead(II). <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 354-361.	4.0	9
69	Hydrogen permeability of AISI 316 ITER grade stainless steel. <i>Journal of Nuclear Materials</i> , 2019, 521, 38-44.	1.3	4
70	Evolution of phase composition and microstructure of sodium potassium niobate -based ceramic during pressure-less spark plasma sintering and post-annealing. <i>Ceramics International</i> , 2019, 45, 10429-10437.	2.3	17
71	Surface Properties of Retrieved Cementless Femoral Hip Endoprostheses Produced from a Ti6Al7Nb Alloy. <i>Coatings</i> , 2019, 9, 868.	1.2	6
72	Laser-Assisted Surface Texturing of Ti/Zr Multilayers for Mesenchymal Stem Cell Response. <i>Coatings</i> , 2019, 9, 854.	1.2	6

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73	Atmospheric pressure plasma jet-assisted impregnation of gold nanoparticles into PVC polymer for various applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 101, 927-938.	1.5	6
74	Parameters optimization for synthesis of Al-doped ZnO nanoparticles by laser ablation in water. <i>Applied Surface Science</i> , 2018, 440, 916-925.	3.1	56
75	Preparation of air-stable expandable MoS ₂ and rapid expansion by low temperature heating and electron beam irradiation. <i>Materials Letters</i> , 2018, 218, 229-232.	1.3	1
76	<i>In situ</i> generation of 3D graphene-like networks from cellulose nanofibres in sintered ceramics. <i>Nanoscale</i> , 2018, 10, 10488-10497.	2.8	13
77	Tribological aspects related to the morphology of PVD hard coatings. <i>Surface and Coatings Technology</i> , 2018, 343, 138-147.	2.2	33
78	Influence of thermo-mechanical cycling on porcelain bonding to cobalt-chromium and titanium dental alloys fabricated by casting, milling, and selective laser melting. <i>Journal of Prosthodontic Research</i> , 2018, 62, 184-194.	1.1	39
79	POSS-modified black pigment for CSP deployment. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
80	The effect of surface oxidation on the catalytic properties of Ga ₃ Ni ₂ intermetallic compound for carbon dioxide reduction. <i>Journal of Analytical Science and Technology</i> , 2018, 9, .	1.0	10
81	Initial stages in functionalization of polystyrene upon treatment with oxygen plasma late flowing afterglow. <i>Plasma Sources Science and Technology</i> , 2018, 27, 094005.	1.3	16
82	Analysis of the Thermal Stability of Very Thin Surface Layers of Corrosion Inhibitors by Time-of-Flight Secondary Ion Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2305-2316.	1.2	11
83	Laser induced mixing in multilayered Ti/Ta thin film structures. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	0
84	Structural optimisation of a multifunctional water- and oil-repellent, antibacterial, and flame-retardant sol-gel coating on cellulose fibres. <i>Cellulose</i> , 2017, 24, 1511-1528.	2.4	22
85	Improved electron-hole separation and migration in anatase TiO ₂ nanorod/reduced graphene oxide composites and their influence on photocatalytic performance. <i>Nanoscale</i> , 2017, 9, 4578-4592.	2.8	81
86	Effects of mechanical and chemical pre-treatments on the morphology and composition of surfaces of aluminium alloys 7075-T6 and 2024-T3. <i>Corrosion Science</i> , 2017, 119, 46-59.	3.0	63
87	The importance of annealing and stages coverage on the epitaxial growth of complex oxides on silicon by pulsed laser deposition. <i>RSC Advances</i> , 2017, 7, 24709-24717.	1.7	10
88	Evolution of the nitrogen depth distribution in an implanted titanium alloy with a surface carbon nanolayer. <i>Chemical Physics Letters</i> , 2017, 679, 25-30.	1.2	8
89	The effect of pH, fluoride and tribocorrosion on the surface properties of dental archwires. <i>Materials Science and Engineering C</i> , 2017, 78, 682-689.	3.8	37
90	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. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 83, 19-34.	1.1	12

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91	Oxidation processes in vanadium-based single-layer and nanolayer hard coatings. <i>Vacuum</i> , 2017, 138, 230-237.	1.6	12
92	Optically Detected Degradation of NaYF ₄ :Yb,Tm-Based Upconversion Nanoparticles in Phosphate Buffered Saline Solution. <i>Langmuir</i> , 2017, 33, 553-560.	1.6	55
93	Influence of liquefied wood polyol on the physical-mechanical and thermal properties of epoxy based polymer. <i>Polymer Testing</i> , 2017, 64, 207-216.	2.3	12
94	Determination of Schottky barrier height and enhanced photoelectron generation in novel plasmonic immobilized multisegmented (Au/TiO ₂) nanorod arrays (NRAs) suitable for solar energy conversion applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10509-10516.	2.7	50
95	The effect of CeO ₂ and ZrO ₂ structural differences on the origin and reactivity of carbon formed during methane dry reforming over NiCo/CeO ₂ and ZrO ₂ catalysts studied by transient techniques. <i>Catalysis Science and Technology</i> , 2017, 7, 5422-5434.	2.1	58
96	Nanoscale zerovalent iron (nZVI) supported by natural and acid-activated sepiolites: the effect of the nZVI/support ratio on the composite properties and Cd ²⁺ adsorption. <i>Environmental Science and Pollution Research</i> , 2017, 24, 628-643.	2.7	36
97	Hydrothermal growth of iron oxide NPs with a uniform size distribution for magnetically induced hyperthermia: Structural, colloidal and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2017, 694, 261-271.	2.8	50
98	Effect of H ₂ S Plasma Treatment on the Surface Modification of a Polyethylene Terephthalate Surface. <i>Materials</i> , 2016, 9, 95.	1.3	14
99	Improved Sprout Emergence of Garlic Cloves by Plasma Treatment. <i>Plasma Medicine</i> , 2016, 6, 325-338.	0.2	6
100	Enhanced biocompatibility of TiO ₂ surfaces by highly reactive plasma. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 244002.	1.3	23
101	Visible-light active mesoporous, nanocrystalline N,S-doped and co-doped titania photocatalysts synthesized by non-hydrolytic sol-gel route. <i>Ceramics International</i> , 2016, 42, 16718-16728.	2.3	35
102	Removal of manganese in batch and fluidized bed systems using beads of zeolite A as adsorbent. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 378-385.	2.2	11
103	Molecular imaging of cannabis leaf tissue with MeV-SIMS method. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 371, 205-210.	0.6	20
104	Enzymatic scouring and low-temperature bleaching of fabrics constructed from cotton, regenerated bamboo, poly(lactic acid), and soy protein fibers. <i>Fibers and Polymers</i> , 2015, 16, 1723-1733.	1.1	11
105	Area-selective epoxy coatings by DBD-PECVD in 3D cavities for protein coupling. <i>Surface Innovations</i> , 2015, 3, 206-214.	1.4	3
106	The roles of mercapto, benzene and methyl groups in the corrosion inhibition of imidazoles on copper: I. Experimental characterization. <i>Corrosion Science</i> , 2015, 98, 107-118.	3.0	90
107	Bacteriostatic photocatalytic properties of cotton modified with TiO ₂ and TiO ₂ /aminopropyltriethoxysilane. <i>Cellulose</i> , 2015, 22, 3441-3463.	2.4	20
108	Modification of polytetrafluoroethylene surfaces using H ₂ S plasma treatment. <i>Applied Surface Science</i> , 2015, 357, 1325-1332.	3.1	15

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109	Kinetics, thermodynamics, and structural investigations on the removal of Pb ²⁺ , Cd ²⁺ , and Zn ²⁺ from multicomponent solutions onto natural and Fe(III)-modified zeolites. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 407-419.	2.1	39
110	Improvement to the Corrosion Resistance of Ti-Based Implants Using Hydrothermally Synthesized Nanostructured Anatase Coatings. <i>Materials</i> , 2014, 7, 180-194.	1.3	50
111	A surface-chemistry study of barium ferrite nanoplates with DBSa-modified surfaces. <i>Applied Surface Science</i> , 2014, 305, 366-374.	3.1	9
112	Photocatalytic properties of TiO ₂ and TiO ₂ /Pt: A sol-precipitation, sonochemical and hydrothermal approach. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 367-375.	3.8	28
113	Oxidation of Inconel 625 superalloy upon treatment with oxygen or hydrogen plasma at high temperature. <i>Applied Surface Science</i> , 2014, 305, 674-682.	3.1	25
114	Multifunctional superhydrophobic/oleophobic and flame-retardant cellulose fibres with improved ice-releasing properties and passive antibacterial activity prepared via the sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 70, 385-399.	1.1	33
115	Characterization of tungsten films and their hydrogen permeability. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, 061511.	0.9	7
116	Silicon Surface Deoxidation Using Strontium Oxide Deposited with the Pulsed Laser Deposition Technique. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18205-18214.	4.0	15
117	In situ reactivation of low-temperature thermionic electron emission from nitrogen doped diamond films by hydrogen exposure. <i>Diamond and Related Materials</i> , 2014, 50, 151-156.	1.8	8
118	The Effect of Surface Roughness on the Corrosion Properties of Type AISI 304 Stainless Steel in Diluted NaCl and Urban Rain Solution. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 1695-1702.	1.2	39
119	Electrochromic coatings made of surface modified rutile and anatase pigments: Influence of trisilanol POSS dispersant on electrochromic effect. <i>Applied Surface Science</i> , 2014, 313, 484-497.	3.1	11
120	XPS and AFM characterization of aminosilanes with different numbers of bonding sites on a silicon wafer. <i>Surface and Interface Analysis</i> , 2013, 45, 1709-1713.	0.8	66
121	Improved Optoelectronic Properties of Silicon Nanocrystals/Polymer Nanocomposites by Microplasma-Induced Liquid Chemistry. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23198-23207.	1.5	35
122	Surface precipitation of chromium in rapidly solidified Cu-Cr alloys. <i>Applied Surface Science</i> , 2013, 277, 83-87.	3.1	16
123	Corrosion and surface study of sputtered Al-W coatings with a range of tungsten contents. <i>Corrosion Science</i> , 2013, 69, 359-368.	3.0	43
124	Ion irradiation induced solid-state amorphous reaction in Ni/Ti multilayers. <i>Applied Surface Science</i> , 2013, 268, 516-523.	3.1	15
125	High dose ion irradiation effects on immiscible AlN/TiN nano-scaled multilayers. <i>Thin Solid Films</i> , 2013, 544, 562-566.	0.8	7
126	Temperature Stable Dielectric Behavior of Sol-Gel Derived Compositionally Graded SrTiO ₃ /Na _{0.5} Bi _{0.5} Thin Films. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3511-3517.	1.9	25

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127	Tetragonal or monoclinic ZrO ₂ thin films from Zr-based glassy templates. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2012, 30, .	0.9	3
128	Hydroxylation of polypropylene using the monooxygenase mutant 139-3 from <i>Bacillus megaterium</i> BM3. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 57-62.	1.1	1
129	Growth of amorphous SiC film on Si by means of ion beam induced mixing. <i>Applied Surface Science</i> , 2012, 263, 367-372.	3.1	16
130	A comparison of Ar ion implantation and swift heavy Xe ion irradiation effects on immiscible AlN/TiN multilayered nanostructures. <i>Materials Chemistry and Physics</i> , 2012, 133, 884-892.	2.0	21
131	Tribochemical reactions on sliding surface of the sintered metallic brake linings against SiC ceramic brake disk. <i>Wear</i> , 2012, 292-293, 232-238.	1.5	11
132	Multifunctional water and oil repellent and antimicrobial properties of finished cotton: influence of sol-gel finishing procedure. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 61, 340-354.	1.1	56
133	Elaboration of nano-structured grafted polymeric surface. <i>Journal of Colloid and Interface Science</i> , 2011, 362, 300-310.	5.0	13
134	Surface of Zn-Mn-O and its role in room temperature ferromagnetism: An XPS analysis. <i>Applied Surface Science</i> , 2010, 257, 937-943.	3.1	4
135	A structural and corrosion study of triethoxysilyl and perfluorooctyl functionalized polyhedral silsesquioxane nanocomposite films on AA 2024 alloy. <i>Thin Solid Films</i> , 2010, 518, 2710-2721.	0.8	33
136	Microstructural, compositional and magnetic characterization of electrodeposited and annealed Co-Pt-based thin films. <i>Thin Solid Films</i> , 2010, 518, 1751-1755.	0.8	16
137	The effect of the cellulose-binding domain from <i>Clostridium cellulovorans</i> on the supramolecular structure of cellulose fibers. <i>Carbohydrate Research</i> , 2010, 345, 621-630.	1.1	108
138	Copper surface enrichment of Ag _{1-x} Cu alloys. <i>Surface and Interface Analysis</i> , 2010, 42, 662-665.	0.8	6
139	Ion irradiation stability of multilayered AlN/TiN nanocomposites. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 065302.	1.3	25
140	Surface composition of a Ag-5.1Cu (mass%) alloy. <i>International Journal of Materials Research</i> , 2009, 100, 311-314.	0.1	4
141	Characterization of the Amorphous Phase and the Nanosized Crystallites in High-Energy-Milled Lead-Magnesium-Niobate Powder. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1224-1229.	1.9	9
142	Hydrothermal synthesis of a nanocrystalline anatase layer on Ti6Al4V implants. <i>Surface and Coatings Technology</i> , 2009, 203, 1462-1468.	2.2	30
143	Removal of aqueous manganese using the natural zeolitic tuff from the Vranjska Banja deposit in Serbia. <i>Journal of Hazardous Materials</i> , 2009, 172, 1450-1457.	6.5	74
144	Structural Properties and Antibacterial Effects of Hydrophobic and Oleophobic Sol-Gel Coatings for Cotton Fabrics. <i>Langmuir</i> , 2009, 25, 5869-5880.	1.6	180

#	ARTICLE	IF	CITATIONS
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