

Lidija ÄurkoviÄ

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

1,986
citations

257450

24
h-index

265206

42
g-index

90
all docs

90
docs citations

90
times ranked

2412
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal ion exchange by natural and modified zeolites. <i>Water Research</i> , 1997, 31, 1379-1382.	11.3	320
2	Enhancement of corrosion protection of AISI 304 stainless steel by nanostructured sol-gel TiO ₂ films. <i>Corrosion Science</i> , 2013, 77, 176-184.	6.6	129
3	Synthesis, characterization and photocatalytic properties of sol-gel TiO ₂ films. <i>Ceramics International</i> , 2011, 37, 1153-1160.	4.8	107
4	Assessment of metal risks from different depths of jarosite tailing waste of TrepÅsa Zinc Industry, Kosovo based on BCR procedure. <i>Journal of Geochemical Exploration</i> , 2015, 148, 161-168.	3.2	71
5	Sorption phenomena of modification of clinoptilolite tuffs by surfactant cations. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 295-301.	9.4	66
6	BATCH Pb ²⁺ AND Cu ²⁺ REMOVAL BY ELECTRIC FURNACE SLAG. <i>Water Research</i> , 2001, 35, 3436-3440.	11.3	65
7	Vickers indentation fracture toughness of Y-TZP dental ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017, 64, 14-19.	3.8	59
8	Corrosion behavior of alumina ceramics in aqueous HCl and H ₂ SO ₄ solutions. <i>Corrosion Science</i> , 2008, 50, 872-878.	6.6	54
9	Solid particle erosion behaviour of high purity alumina ceramics. <i>Ceramics International</i> , 2011, 37, 29-35.	4.8	53
10	Photocatalytic degradation of Lissamine Green B dye by using nanostructured sol-gel TiO ₂ films. <i>Journal of Alloys and Compounds</i> , 2014, 604, 309-316.	5.5	49
11	The sorption of sulfamethazine on soil samples: Isotherms and error analysis. <i>Science of the Total Environment</i> , 2014, 497-498, 543-552.	8.0	48
12	Surface density of growth defects in different PVD hard coatings prepared by sputtering. <i>Vacuum</i> , 2012, 86, 794-798.	3.5	47
13	Simple methods for characterization of metals in historical textile threads. <i>Talanta</i> , 2010, 82, 237-244.	5.5	45
14	Isotherm, kinetic, and thermodynamic study of ciprofloxacin sorption on sediments. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10091-10106.	5.3	42
15	TiO ₂ assisted photocatalytic degradation of macrolide antibiotics. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 6, 34-41.	5.9	42
16	Photolytic and thin TiO ₂ film assisted photocatalytic degradation of sulfamethazine in aqueous solution. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11372-11386.	5.3	39
17	Hardness and Indentation Fracture Toughness of Slip Cast Alumina and Alumina-Zirconia Ceramics. <i>Materials</i> , 2020, 13, 122.	2.9	38
18	Graphene-Based TiO ₂ Nanocomposite for Photocatalytic Degradation of Dyes in Aqueous Solution under Solar-Like Radiation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3966.	2.5	37

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19	Indentation size effect of Y-TZP dental ceramics. <i>Dental Materials</i> , 2014, 30, e371-e376.	3.5	34
20	Kinetics and degradation pathways of photolytic and photocatalytic oxidation of the anthelmintic drug praziquantel. <i>Journal of Hazardous Materials</i> , 2017, 323, 500-512.	12.4	32
21	Photocatalytic Degradation of Azithromycin by Nanostructured TiO ₂ Film: Kinetics, Degradation Products, and Toxicity. <i>Materials</i> , 2019, 12, 873.	2.9	32
22	Simultaneous determination of six inorganic anions in drinking water by non-suppressed ion chromatography. <i>Journal of Chromatography A</i> , 2001, 918, 325-334.	3.7	31
23	Measurement of ion elution from dental ceramics. <i>Journal of the European Ceramic Society</i> , 2006, 26, 1695-1700.	5.7	29
24	Ecological Risk Assessment of Jarosite Waste Disposal. <i>Croatica Chemica Acta</i> , 2015, 88, 189-196.	0.4	27
25	Estimation of steel guitar strings corrosion by artificial neural network. <i>Corrosion Science</i> , 2010, 52, 996-1002.	6.6	24
26	Titania-Coated Alumina Foam Photocatalyst for Memantine Degradation Derived by Replica Method and Sol-Gel Reaction. <i>Materials</i> , 2020, 13, 227.	2.9	24
27	Statistical Analysis of Vickers Indentation Fracture Toughness of Y-TZP Ceramics. <i>Transactions of Famena</i> , 2017, 41, 1-16.	0.6	22
28	Metal ion release from electric guitar strings in artificial sweat. <i>Corrosion Science</i> , 2009, 51, 1985-1989.	6.6	21
29	Enhanced Photocatalytic Activity of Hybrid rGO@TiO ₂ /CN Nanocomposite for Organic Pollutant Degradation under Solar Light Irradiation. <i>Catalysts</i> , 2021, 11, 1023.	3.5	20
30	Eggshell as a New Biosorbent for the Removal of Pharmaceuticals From Aqueous Solutions. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1700082.	1.1	19
31	Effect of pH, fluoride and hydrofluoric acid concentration on ion release from NiTi wires with various coatings. <i>Dental Materials Journal</i> , 2017, 36, 149-156.	1.8	18
32	A Review of Microwave-Assisted Sintering Technique. <i>Transactions of Famena</i> , 2021, 45, 1-16.	0.6	17
33	Estimation of chemical resistance of dental ceramics by neural network. <i>Dental Materials</i> , 2008, 24, 18-27.	3.5	16
34	Dissolution of alumina ceramics in HCl aqueous solution. <i>Ceramics International</i> , 2009, 35, 2041-2045.	4.8	16
35	Investigation of jarosite process tailing waste by means of raman and infrared spectroscopy. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2013, 44, 768-773.	0.9	15
36	Fractionation of Heavy Metals in Fly Ash from Wood Biomass Using the BCR Sequential Extraction Procedure. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 524-529.	2.7	15

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37	Investigation of thermal decomposition of jarosite tailing waste. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 421-430.	3.6	14
38	Rapid Microwave-Assisted Synthesis of Fe ₃ O ₄ /SiO ₂ /TiO ₂ Core-2-Layer-Shell Nanocomposite for Photocatalytic Degradation of Ciprofloxacin. <i>Catalysts</i> , 2021, 11, 1136.	3.5	13
39	Immobilised rGO/TiO ₂ Nanocomposite for Multi-Cycle Removal of Methylene Blue Dye from an Aqueous Medium. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 385.	2.5	13
40	Comparison of mechanical properties of various PVD hard coatings for forming tools. <i>Surface Engineering</i> , 2007, 23, 177-182.	2.2	12
41	Determination of corrosion rate of orthodontic wires based on nickel-titanium alloy in artificial saliva. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2014, 45, 99-105.	0.9	12
42	Corrosion Protection of AISI 316L Stainless Steel with the Sol-Gel Yttria Stabilized ZrO ₂ Films: Effects of Sintering Temperature and Doping. <i>International Journal of Electrochemical Science</i> , 2016, 11, 9192-9205.	1.3	11
43	Environmentally acceptable sorbents of chemical warfare agent simulants. <i>Journal of Materials Science</i> , 2017, 52, 2591-2604.	3.7	11
44	Photocatalytic decolorization kinetics of diazo dye Congo Red aqueous solution by UV/TiO ₂ nanoparticles. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010, 99, 201.	1.7	9
45	Study of microstructure and corrosion kinetic of steel guitar strings in artificial sweat solution. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2010, 61, 524-529.	1.5	9
46	Optimization of Sintering Process of Alumina Ceramics Using Response Surface Methodology. <i>Sustainability</i> , 2021, 13, 6739.	3.2	9
47	Impact of UV-LED photoreactor design on the degradation of contaminants of emerging concern. <i>Chemical Engineering Research and Design</i> , 2021, 153, 94-106.	5.6	9
48	Influence of Agglomeration and Contamination in the Course of Amorphous Powder Grinding on Structure and Microstructure of Sintered Mullite. <i>Croatica Chemica Acta</i> , 0, , 63-71.	0.4	9
49	From eggshells biowaste to hydroxyapatite biomaterial. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017, 48, 797-802.	0.9	8
50	Thermal and structural studies of sol-gel-derived yttria-doped ZrO ₂ nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 197-206.	3.6	8
51	Evaluating recycling potential of waste alumina powder for ceramics production using response surface methodology. <i>Journal of Materials Research and Technology</i> , 2021, 11, 866-874.	5.8	8
52	Erosion Resistance of Slip Cast Composite Al ₂ O ₃ -ZrO ₂ Ceramics. <i>Procedia Engineering</i> , 2015, 100, 1133-1140.	1.2	7
53	Stabilization of Highly Concentrated Alumina Suspensions by Different Dispersants. <i>Transactions of Famena</i> , 2018, 42, 61-70.	0.6	7
54	Microwave-Assisted Synthesis of N/TiO ₂ Nanoparticles for Photocatalysis under Different Irradiation Spectra. <i>Nanomaterials</i> , 2022, 12, 1473.	4.1	7

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55	Acid Corrosion Behavior of Solâ€“Gelâ€“Prepared Mullite Ceramics With and Without Addition of Lanthanum. <i>Journal of the American Ceramic Society</i> , 2013, 96, 923-927.	3.8	6
56	Photocatalytic degradation of azo dyes by solâ€“gel TiO ₂ films: effects of polyethylene glycol addition, reaction temperatures and irradiation wavelengths. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 116, 563-576.	1.7	6
57	Albendazole Degradation Possibilities by UV-Based Advanced Oxidation Processes. <i>International Journal of Photoenergy</i> , 2018, 2018, 1-6.	2.5	6
58	Analysing the characteristics and application potentials of jarosite waste in Kosovo. <i>Global Nest Journal</i> , 2016, 18, 89-97.	0.1	6
59	Fracture Toughness of Alumina Ceramics Determined by Vickers Indentation Technique. <i>Materialpruefung/Materials Testing</i> , 2012, 54, 228-232.	2.2	6
60	Removal of Pharmaceuticals from Water by Tomato Waste as Novel Promising Biosorbent: Equilibrium, Kinetics, and Thermodynamics. <i>Sustainability</i> , 2021, 13, 11560.	3.2	6
61	Effect of Additives on Stability of Aluminaâ€“Waste Alumina Suspension for Slip Casting: Optimization Using Box-Behnken Design. <i>Materials</i> , 2019, 12, 1738.	2.9	5
62	Corrosion Behavior of Amorphous Solâ€“Gel TiO ₂ â€“ZrO ₂ Nano Thickness Film on Stainless Steel. <i>Coatings</i> , 2021, 11, 988.	2.6	5
63	Optimization of Alumina Ceramics Corrosion Resistance in Nitric Acid. <i>Materials</i> , 2022, 15, 2579.	2.9	5
64	Erosion mechanisms of aluminium nitride ceramics at different impact angles. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011, 42, 712-717.	0.9	4
65	Rheological properties of aqueous alumina suspensions. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2012, 43, 979-983.	0.9	4
66	Removal of Heavy Metals and Pharmaceuticals From Contaminated Water Using Waste Sludge â€“ Kinetics and Mechanisms. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600509.	1.1	4
67	Spark plasma sintering of dense alumina ceramics from industrial waste scraps. <i>Open Ceramics</i> , 2021, 5, 100076.	2.0	4
68	Reverse indentation size effect of a duplex steel. <i>Metallic Materials</i> , 2016, 52, 299-304.	0.3	4
69	Photolytic and photocatalytic degradation of febantel in aqueous media. , 0, 104, 294-303.		3
70	Monitoring of hydrolysis in natural zeolite-H ₂ O systems by means of pH and electrical conductivity measurements. <i>Studies in Surface Science and Catalysis</i> , 1999, 125, 761-767.	1.5	2
71	Load dependence of the apparent Knoop hardness of SiC ceramics in a wide range of loads. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011, 42, 234-238.	0.9	2
72	Effects of cold isostatic pressing and granule size distribution on the densification of alumina ceramics. <i>Materialpruefung/Materials Testing</i> , 2015, 57, 495-498.	2.2	2

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73	Investigation of metal ion release from violin, viola, and cello strings after dissolution in corrosive solution. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2014, 65, 931-934.	1.5	1
74	Influence of Surface Roughness of Alumina Ceramics on Indentation Size. <i>Materialpruefung/Materials Testing</i> , 2014, 56, 32-39.	2.2	1
75	Wear Rate Evaluation of Sol-Gel TiO ₂ -ZrO ₂ Films by Quantitative Depth Profile Analysis. <i>Transactions of Famena</i> , 2021, 44, 1-11.	0.6	1
76	Environmental Hazard Assessment of Jarosite Waste Using Batch Leaching Tests. <i>Chemical and Biochemical Engineering Quarterly</i> , 2018, 31, 403-415.	0.9	1
77	Investigation of Glazed Y-TZP Dental Ceramics Corrosion by Surface Roughness Measurement. <i>Acta Stomatologica Croatica</i> , 2013, 47, 163-168.	1.0	1
78	Woody biomass fly ash as a low-cost sorbent for the removal of ionic dye from aqueous solution: Isotherm, kinetic modelling and thermodynamics. , 0, 89, 171-180.		1
79	Determining the Fracture Toughness of Alumina Ceramics from Vickers Indentations. <i>Materialpruefung/Materials Testing</i> , 2009, 51, 199-202.	2.2	1
80	Removal of heavy metal from wastewaters of paper works by a clinoptilolite-rich tuff. <i>Studies in Surface Science and Catalysis</i> , 2005, 158, 1129-1136.	1.5	0
81	Characterisation and determination of Ni-P coating sputtering rate. <i>International Journal of Microstructure and Materials Properties</i> , 2011, 6, 479.	0.1	0
82	Statistical analysis of fracture toughness of SiC ceramics determined by Vickers indentation method. <i>International Journal of Microstructure and Materials Properties</i> , 2011, 6, 359.	0.1	0
83	Chemical analysis of solid residue from liquid and solid fuel combustion: Method development and validation. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2012, 43, 503-510.	0.9	0
84	AFM characterisation of sol-gel TiO ₂ films deposited on stainless steel. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2013, 44, 650-654.	0.9	0
85	SEM-EDS Analysis of Composite Al ₂ O ₃ -ZrO ₂ Ceramics Eroded with SiC Particles. <i>Applied Mechanics and Materials</i> , 2015, 729, 27-31.	0.2	0
86	Elution of Foundry Sand and Mould Mixture in Water. <i>Materialpruefung/Materials Testing</i> , 2008, 50, 332-335.	2.2	0
87	Chemical Stability of Alumina Ceramics in Sulphuric Acid. <i>Materialpruefung/Materials Testing</i> , 2008, 50, 336-340.	2.2	0
88	Analysis of Deposited Salts in the Through-Flow Area of a 210 MW Steam Turbine. <i>Materialpruefung/Materials Testing</i> , 2013, 55, 743-747.	2.2	0
89	Optimization Condition for Thin-Layer Identification of Bronzes after Anodic Sampling. <i>Journal of Planar Chromatography - Modern TLC</i> , 2014, 27, 84-87.	1.2	0