Lidija ÄurkoviÄ

List of Publications by Year
in descending order

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	Optimization of Alumina Ceramics Corrosion Resistance in Nitric Acid. Materials, 2022, 15, 2579.	2.9	5
2	Immobilised rGO/TiO2 Nanocomposite for Multi-Cycle Removal of Methylene Blue Dye from an Aqueous Medium. Applied Sciences (Switzerland), 2022, 12, 385.	2.5	13
3	Microwave-Assisted Synthesis of N/TiO2 Nanoparticles for Photocatalysis under Different Irradiation Spectra. Nanomaterials, 2022, 12, 1473.	4.1	7
4	Wear Rate Evaluation of Sol-Gel TiO2-ZrO2 Films by Quantitative Depth Profile Analysis. Transactions of Famena, 2021, 44, 1-11.	0.6	1
5	Evaluating recycling potential of waste alumina powder for ceramics production using response surface methodology. Journal of Materials Research and Technology, 2021, 11, 866-874.	5.8	8
6	Spark plasma sintering of dense alumina ceramics from industrial waste scraps. Open Ceramics, 2021, 5, 100076.	2.0	4
7	Graphene-Based TiO2 Nanocomposite for Photocatalytic Degradation of Dyes in Aqueous Solution under Solar-Like Radiation. Applied Sciences (Switzerland), 2021, 11, 3966.	2.5	37
8	A Review of Microwave-Assisted Sintering Technique. Transactions of Famena, 2021, 45, 1-16.	0.6	17
9	Optimization of Sintering Process of Alumina Ceramics Using Response Surface Methodology. Sustainability, 2021, 13, 6739.	3.2	9
10	Enhanced Photocatalytic Activity of Hybrid rGO@TiO2/CN Nanocomposite for Organic Pollutant Degradation under Solar Light Irradiation. Catalysts, 2021, 11, 1023.	3.5	20
11	Corrosion Behavior of Amorphous Solâ€“Gel TiO2â€“ZrO2 Nano Thickness Film on Stainless Steel. Coatings, 2021, 11, 988.	2.6	5
12	Impact of UV-LED photoreactor design on the degradation of contaminants of emerging concern. Chemical Engineering Research and Design, 2021, 153, 94-106.	5.6	9
13	Rapid Microwave-Assisted Synthesis of Fe3O4/SiO2/TiO2 Core-2-Layer-Shell Nanocomposite for Photocatalytic Degradation of Ciprofloxacin. Catalysts, 2021, 11, 1136.	3.5	13
14	Removal of Pharmaceuticals from Water by Tomato Waste as Novel Promising Biosorbent: Equilibrium, Kinetics, and Thermodynamics. Sustainability, 2021, 13, 11560.	3.2	6
15	Hardness and Indentation Fracture Toughness of Slip Cast Alumina and Alumina-Zirconia Ceramics. Materials, 2020, 13, 122.	2.9	38
16	Titania-Coated Alumina Foam Photocatalyst for Memantine Degradation Derived by Replica Method and Sol-Gel Reaction. Materials, 2020, 13, 227.	2.9	24
17	Effect of Additives on Stability of Aluminaâ€"Waste Alumina Suspension for Slip Casting: Optimization Using Box-Behnken Design. Materials, 2019, 12, 1738.	2.9	5
18	Photocatalytic Degradation of Azithromycin by Nanostructured TiO2 Film: Kinetics, Degradation Products, and Toxicity. Materials, 2019, 12, 873.	2.9	32

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19	Albendazole Degradation Possibilities by UV-Based Advanced Oxidation Processes. International Journal of Photoenergy, 2018, 2018, 1-6.	2.5	6
20	Stabilization of Highly Concentrated Alumina Suspensions by Different Dispersants. Transactions of Famena, 2018, 42, 61-70.	0.6	7
21	Environmental Hazard Assessment of Jarosite Waste Using Batch Leaching Tests. Chemical and Biochemical Engineering Quarterly, 2018, 31, 403-415.	0.9	1
22	Kinetics and degradation pathways of photolytic and photocatalytic oxidation of the anthelmintic drug praziquantel. Journal of Hazardous Materials, 2017, 323, 500-512.	12.4	32
23	Vickers indentation fracture toughness of Y-TZP dental ceramics. International Journal of Refractory Metals and Hard Materials, 2017, 64, 14-19.	3.8	59
24	Isotherm, kinetic, and thermodynamic study of ciprofloxacin sorption on sediments. Environmental Science and Pollution Research, 2017, 24, 10091-10106.	5.3	42
25	Removal of Heavy Metals and Pharmaceuticals From Contaminated Water Using Waste Sludge â€“ Kinetics and Mechanisms. Clean - Soil, Air, Water, 2017, 45, 1600509.	1.1	4
26	TiO2 assisted photocatalytic degradation of macrolide antibiotics. Current Opinion in Green and Sustainable Chemistry, 2017, 6, 34-41.	5.9	42
27	From eggshells biowaste to hydroxyapatite biomaterial. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 797-802.	0.9	8
28	Eggshell as a New Biosorbent for the Removal of Pharmaceuticals From Aqueous Solutions. Clean - Soil, Air, Water, 2017, 45, 1700082.	1.1	19
29	Fractionation of Heavy Metals in Fly Ash from Wood Biomass Using the BCR Sequential Extraction Procedure. Bulletin of Environmental Contamination and Toxicology, 2017, 99, 524-529.	2.7	15
30	Environmentally acceptable sorbents of chemical warfare agent simulants. Journal of Materials Science, 2017, 52, 2591-2604.	3.7	11
31	Thermal and structural studies of solâ€“gel-derived yttria-doped ZrO2 nanoparticles. Journal of Thermal Analysis and Calorimetry, 2017, 127, 197-206.	3.6	8
32	Statistical Analysis of Vickers Indentation Fracture Toughness of Y-TZP Ceramics. Transactions of Famena, 2017, 41, 1-16.	0.6	22
33	Effect of pH, fluoride and hydrofluoric acid concentration on ion release from NiTi wires with various coatings. Dental Materials Journal, 2017, 36, 149-156.	1.8	18
34	Corrosion Protection of AISI 316L Stainless Steel with the Sol-Gel Yttria Stabilized ZrO2 Films: Effects of Sintering Temperature and Doping. International Journal of Electrochemical Science, 2016, 11, 9192-9205.	1.3	11
35	Investigation of thermal decomposition of jarosite tailing waste. Journal of Thermal Analysis and Calorimetry, 2016, 123, 421-430.	3.6	14
36	Analysing the characteristics and application potentials of jarosite waste in Kosovo. Global Nest Journal, 2016, 18, 89-97.	0.1	6

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37	Reverse indentation size effect of a duplex steel. Metallic Materials, 2016, 52, 299-304.	0.3	4
38	Ecological Risk Assessment of Jarosite Waste Disposal. Croatica Chemica Acta, 2015, 88, 189-196.	0.4	27
39	SEM-EDS Analysis of Composite Al₂O₃-ZrO₂ Ceramics Eroded with SiC Particles. Applied Mechanics and Materials, 2015, 729, 27-31.	0.2	0
40	Erosion Resistance of Slip Cast Composite Al2O3-ZrO2 Ceramics. Procedia Engineering, 2015, 100, 1133-1140.	1.2	7
41	Photolytic and thin TiO2 film assisted photocatalytic degradation of sulfamethazine in aqueous solution. Environmental Science and Pollution Research, 2015, 22, 11372-11386.	5.3	39
42	Photocatalytic degradation of azo dyes by solâ€“gel TiO2 films: effects of polyethylene glycol addition, reaction temperatures and irradiation wavelengths. Reaction Kinetics, Mechanisms and Catalysis, 2015, 116, 563-576.	1.7	6
43	Assessment of metal risks from different depths of jarosite tailing waste of TrepÃ§a Zinc Industry, Kosovo based on BCR procedure. Journal of Geochemical Exploration, 2015, 148, 161-168.	3.2	71
44	Effects of cold isostatic pressing and granule size distribution on the densification of alumina ceramics. Materialpruefung/Materials Testing, 2015, 57, 495-498.	2.2	2
45	Determination of corrosion rate of orthodontic wires based on nickel-titanium alloy in artificial saliva. Materialwissenschaft Und Werkstofftechnik, 2014, 45, 99-105.	0.9	12
46	Investigation of metal ion release from violin, viola, and cello strings after dissolution in corrosive solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2014, 65, 931-934.	1.5	1
47	Influence of Surface Roughness of Alumina Ceramics on Indentation Size. Materialpruefung/Materials Testing, 2014, 56, 32-39.	2.2	1
48	Photocatalytic degradation of Lissamine Green B dye by using nanostructured solâ€“gel TiO2 films. Journal of Alloys and Compounds, 2014, 604, 309-316.	5.5	49
49	Indentation size effect of Y-TZP dental ceramics. Dental Materials, 2014, 30, e371-e376.	3.5	34
50	The sorption of sulfamethazine on soil samples: Isotherms and error analysis. Science of the Total Environment, 2014, 497-498, 543-552.	8.0	48
51	Optimization Condition for Thin-Layer Identification of Bronzes after Anodic Sampling. Journal of Planar Chromatography - Modern TLC, 2014, 27, 84-87.	1.2	0
52	Enhancement of corrosion protection of AISI 304 stainless steel by nanostructured solâ€“gel TiO2 films. Corrosion Science, 2013, 77, 176-184.	6.6	129
53	AFM characterisation of solâ€gel TiO₂ films deposited on stainless steel. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 650-654.	0.9	0
54	Acid Corrosion Behavior of Solâ€“Gelâ€Prepared Mullite Ceramics With and Without Addition of Lanthanum. Journal of the American Ceramic Society, 2013, 96, 923-927.	3.8	6

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55	Investigation of jarosite process tailing waste by means of raman and infrared spectroscopy. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 768-773.	0.9	15
56	Investigation of Glazed Y-TZP Dental Ceramics Corrosion by Surface Roughness Measurement. Acta Stomatologica Croatica, 2013, 47, 163-168.	1.0	1
57	Analysis of Deposited Salts in the Through-Flow Area of a 210 MW Steam Turbine. Materialpruefung/Materials Testing, 2013, 55, 743-747.	2.2	0
58	Rheological properties of aqueous alumina suspensions. Materialwissenschaft Und Werkstofftechnik, 2012, 43, 979-983.	0.9	4
59	Chemical analysis of solid residue from liquid and solid fuel combustion: Method development and validation. Materialwissenschaft Und Werkstofftechnik, 2012, 43, 503-510.	0.9	0
60	Surface density of growth defects in different PVD hard coatings prepared by sputtering. Vacuum, 2012, 86, 794-798.	3.5	47
61	Fracture Toughness of Alumina Ceramics Determined by Vickers Indentation Technique. Materialpruefung/Materials Testing, 2012, 54, 228-232.	2.2	6
62	Characterisation and determination of Ni-P coating sputtering rate. International Journal of Microstructure and Materials Properties, 2011, 6, 479.	0.1	0
63	Load dependence of the apparent Knoop hardness of SiC ceramics in a wide range of loads. Materialwissenschaft Und Werkstofftechnik, 2011, 42, 234-238.	0.9	2
64	Erosion mechanisms of aluminium nitride ceramics at different impact angles. Materialwissenschaft Und Werkstofftechnik, 2011, 42, 712-717.	0.9	4
65	Synthesis, characterization and photocatalytic properties of solâ€“gel TiO2 films. Ceramics International, 2011, 37, 1153-1160.	4.8	107
66	Solid particle erosion behaviour of high purity alumina ceramics. Ceramics International, 2011, 37, 29-35.	4.8	53
67	Statistical analysis of fracture toughness of SiC ceramics determined by Vickers indentation method. International Journal of Microstructure and Materials Properties, 2011, 6, 359.	0.1	0
68	Photocatalytic decolorization kinetics of diazo dye Congo Red aqueous solution by UV/TiO2 nanoparticles. Reaction Kinetics, Mechanisms and Catalysis, 2010, 99, 201.	1.7	9
69	Study of microstructure and corrosion kinetic of steel guitar strings in artificial sweat solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2010, 61, 524-529.	1.5	9
70	Estimation of steel guitar strings corrosion by artificial neural network. Corrosion Science, 2010, 52, 996-1002.	6.6	24
71	Simple methods for characterization of metals in historical textile threads. Talanta, 2010, 82, 237-244.	5.5	45
72	Sorption phenomena of modification of clinoptilolite tuffs by surfactant cations. Journal of Colloid and Interface Science, 2009, 331, 295-301.	9.4	66

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73	Dissolution of alumina ceramics in HCl aqueous solution. Ceramics International, 2009, 35, 2041-2045.	4.8	16
74	Metal ion release from electric guitar strings in artificial sweat. Corrosion Science, 2009, 51, 1985-1989.	6.6	21
75	Determining the Fracture Toughness of Alumina Ceramics from Vickers Indentations. Materialpruefung/Materials Testing, 2009, 51, 199-202.	2.2	1
76	Corrosion behavior of alumina ceramics in aqueous HCl and H2SO4 solutions. Corrosion Science, 2008, 50, 872-878.	6.6	54
77	Estimation of chemical resistance of dental ceramics by neural network. Dental Materials, 2008, 24, 18-27.	3.5	16
78	Elution of Foundry Sand and Mould Mixture in Water. Materialpruefung/Materials Testing, 2008, 50, 332-335.	2.2	0
79	Chemical Stability of Alumina Ceramics in Sulphuric Acid. Materialpruefung/Materials Testing, 2008, 50, 336-340.	2.2	0
80	Comparison of mechanical properties of various PVD hard coatings for forming tools. Surface Engineering, 2007, 23, 177-182.	2.2	12
81	Measurement of ion elution from dental ceramics. Journal of the European Ceramic Society, 2006, 26, 1695-1700.	5.7	29
82	Removal of heavy metal from wastewaters of paper works by a clinoptilolite-rich tuff. Studies in Surface Science and Catalysis, 2005, 158, 1129-1136.	1.5	0
83	BATCH Pb2+ AND Cu2+ REMOVAL BY ELECTRIC FURNACE SLAG. Water Research, 2001, 35, 3436-3440.	11.3	65
84	Simultaneous determination of six inorganic anions in drinking water by non-suppressed ion chromatography. Journal of Chromatography A, 2001, 918, 325-334.	3.7	31
85	Monitoring of hydrolysis in natural zeolite-H2O systems by means of pH and electrical conductivity measurements. Studies in Surface Science and Catalysis, 1999, 125, 761-767.	1.5	2
86	Metal ion exchange by natural and modified zeolites. Water Research, 1997, 31, 1379-1382.	11.3	320
87	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
88	Photolytic and photocatalytic degradation of febantel in aqueous media. , 0, 104, 294-303.		3
89	Influence of Agglomeration and Contamination in the Course of Amorphous Powder Grinding on Structure and Microstructure of Sintered Mullite. Croatica Chemica Acta, 0, , 63-71.	0.4	9