

Vladimir B Pavlovic

List of Publications by Year in descending order

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192
papers

3,311
citations

159585

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44
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all docs

194
docs citations

194
times ranked

4664
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and chemical properties of thermally treated geopolymer samples. <i>Ceramics International</i> , 2017, 43, 6700-6708.	4.8	109
2	Modification of Structural and Luminescence Properties of Graphene Quantum Dots by Gamma Irradiation and Their Application in a Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25865-25874.	8.0	94
3	Influence of Rare-Earth Dopants on Barium Titanate Ceramics Microstructure and Corresponding Electrical Properties. <i>Journal of the American Ceramic Society</i> , 2010, 93, 132-137.	3.8	87
4	Highly Efficient Antioxidant F- and Cl-Doped Carbon Quantum Dots for Bioimaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16327-16338.	6.7	71
5	Photo-induced antibacterial activity of four graphene based nanomaterials on a wide range of bacteria. <i>RSC Advances</i> , 2018, 8, 31337-31347.	3.6	69
6	Protein-reinforced and chitosan-pectin coated alginate microparticles for delivery of flavan-3-ol antioxidants and caffeine from green tea extract. <i>Food Hydrocolloids</i> , 2015, 51, 361-374.	10.7	68
7	Biological potential of extracts of the wild edible Basidiomycete mushroom <i>Grifola frondosa</i> . <i>Food Research International</i> , 2015, 67, 272-283.	6.2	68
8	The Antibacterial Activity of <i>Coriolus versicolor</i> Methanol Extract and Its Effect on Ultrastructural Changes of <i>Staphylococcus aureus</i> and <i>Salmonella Enteritidis</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1226.	3.5	66
9	Arsenic removal by magnetite-loaded amino modified nano/microcellulose adsorbents: Effect of functionalization and media size. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4675-4693.	4.9	64
10	Characterization of sodium alginate/d-limonene emulsions and respective calcium alginate/d-limonene beads produced by electrostatic extrusion. <i>Food Hydrocolloids</i> , 2015, 45, 111-123.	10.7	59
11	Mineralized agar-based nanocomposite films: Potential food packaging materials with antimicrobial properties. <i>Carbohydrate Polymers</i> , 2017, 175, 55-62.	10.2	59
12	Light transmission through fiber post: The effect on adhesion, elastic modulus and hardness of dual-cure resin cement. <i>Dental Materials</i> , 2009, 25, 837-844.	3.5	56
13	Barium titanate screen-printed thick films. <i>Ceramics International</i> , 2002, 28, 293-298.	4.8	54
14	Improvement of mechanical properties and antibacterial activity of crosslinked electrospun chitosan/poly (ethylene oxide) nanofibers. <i>Composites Part B: Engineering</i> , 2017, 121, 58-67.	12.0	49
15	High performances unsaturated polyester based nanocomposites: Effect of vinyl modified nanosilica on mechanical properties. <i>EXPRESS Polymer Letters</i> , 2016, 10, 139-159.	2.1	49
16	Ferroelectric nanocomposites of polyvinylidene fluoride/polymethyl methacrylate blend and BaTiO ₃ particles: Fabrication of β -crystal polymorph rich matrix through mechanical activation of the filler. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	48
17	Adsorption of Organophosphate Pesticide Dimethoate on Gold Nanospheres and Nanorods. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-11.	2.7	43
18	Zirconium dioxide nanopowders with incorporated Si ⁴⁺ ions as efficient photocatalyst for degradation of trichlorophenol using simulated solar light. <i>Applied Catalysis B: Environmental</i> , 2016, 195, 112-120.	20.2	43

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19	Effects of different carrier materials on physicochemical properties of microencapsulated grape skin extract. <i>Journal of Food Science and Technology</i> , 2017, 54, 3411-3420.	2.8	43
20	Graphene quantum dots as singlet oxygen producer or radical quencher - The matter of functionalization with urea/thiourea. <i>Materials Science and Engineering C</i> , 2020, 109, 110539.	7.3	42
21	Synthesis and antimicrobial properties of Zn-mineralized alginate nanocomposites. <i>Carbohydrate Polymers</i> , 2017, 165, 313-321.	10.2	41
22	Characterisation of peppermint (<i>Mentha piperita</i> L.) essential oil encapsulates. <i>Journal of Microencapsulation</i> , 2019, 36, 109-119.	2.8	41
23	Humidity sensing properties of nanocrystalline pseudobrookite (Fe ₂ TiO ₅) based thick films. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 654-664.	7.8	39
24	Graphene oxide size and structure pro-oxidant and antioxidant activity and photoinduced cytotoxicity relation on three cancer cell lines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 200, 111647.	3.8	39
25	Tuning the acidity of niobia: Characterization and catalytic activity of Nb ₂ O ₅ ·xMeO ₂ (Me=Ti, Zr, Ce) mesoporous mixed oxides. <i>Materials Chemistry and Physics</i> , 2014, 146, 337-345.	4.0	37
26	Microencapsulation of anthocyanin-rich black soybean coat extract by spray drying using maltodextrin, gum Arabic and skimmed milk powder. <i>Journal of Microencapsulation</i> , 2017, 34, 475-487.	2.8	36
27	Influence of mechanochemical activation on the sintering of cordierite ceramics in the presence of Bi ₂ O ₃ as a functional additive. <i>Powder Technology</i> , 2012, 218, 157-161.	4.2	35
28	Montmorillonite/poly(urethane-siloxane) nanocomposites: Morphological, thermal, mechanical and surface properties. <i>Applied Clay Science</i> , 2017, 149, 136-146.	5.2	34
29	Production of bacterial nanocellulose (BNC) and its application as a solid support in transition metal catalysed cross-coupling reactions. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 351-360.	7.5	33
30	Novel modified nanocellulose applicable as reinforcement in high-performance nanocomposites. <i>Carbohydrate Polymers</i> , 2017, 164, 64-74.	10.2	32
31	Structural properties of composites of polyvinylidene fluoride and mechanically activated BaTiO ₃ particles. <i>Physica Scripta</i> , 2013, T157, 014006.	2.5	31
32	Antibacterial potential of electrochemically exfoliated graphene sheets. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 30-43.	9.4	31
33	Ambient light induced antibacterial action of curcumin/graphene nanomesh hybrids. <i>RSC Advances</i> , 2017, 7, 36081-36092.	3.6	31
34	Study of dielectric behavior and electrical properties of hematite $\hat{\pm}$ -Fe ₂ O ₃ doped with Zn. <i>Science of Sintering</i> , 2012, 44, 307-321.	1.4	30
35	Comparison of structural properties of pristine and gamma irradiated single-wall carbon nanotubes: Effects of medium and irradiation dose. <i>Materials Characterization</i> , 2012, 72, 37-45.	4.4	30
36	Effects of mechanical activation and two-step sintering on the structure and electrical properties of cordierite-based ceramics. <i>Ceramics International</i> , 2016, 42, 13909-13918.	4.8	30

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37	Selective magnetic GMA based potential sorbents for molybdenum and rhenium sorption. <i>Journal of Alloys and Compounds</i> , 2017, 705, 38-50.	5.5	28
38	Preparation of PEDOT:PSS thin films doped with graphene and graphene quantum dots. <i>Synthetic Metals</i> , 2014, 198, 150-154.	3.9	27
39	Advances in batch culture fermented <i>Coriolus versicolor</i> medicinal mushroom for the production of antibacterial compounds. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 34, 1-8.	5.6	27
40	Preparation of highly conductive carbon cryogel based on pristine graphene. <i>Synthetic Metals</i> , 2012, 162, 743-747.	3.9	26
41	Photoactive and antioxidant nanochitosan dots/biocellulose hydrogels for wound healing treatment. <i>Materials Science and Engineering C</i> , 2021, 122, 111925.	7.3	26
42	Fatty acids of maize pollen – Quantification, nutritional and morphological evaluation. <i>Journal of Cereal Science</i> , 2017, 77, 180-185.	3.7	25
43	Structural and electrical properties of ferroelectric poly(vinylidene fluoride) and mechanically activated ZnO nanoparticle composite films. <i>Physica Scripta</i> , 2018, 93, 105801.	2.5	25
44	Correlation Between Densification Rate and Microstructure Evolution of Mechanically Activated BaTiO ₃ . <i>Ferroelectrics</i> , 2005, 319, 75-85.	0.6	24
45	The influence of mechanical activation on structural evolution of nanocrystalline SrTiO ₃ powders. <i>Journal of Alloys and Compounds</i> , 2017, 695, 863-870.	5.5	24
46	Altered organization of collagen fibers in the uninvolved human colon mucosa 10%cm and 20%cm away from the malignant tumor. <i>Scientific Reports</i> , 2020, 10, 6359.	3.3	24
47	Thermal, morphological, and mechanical properties of ethyl vanillin immobilized in polyvinyl alcohol by electrospinning process. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 661-668.	3.6	23
48	Enhancement of nano titanium dioxide coatings by fullerene and polyhydroxy fullerene in the photocatalytic degradation of the herbicide mesotrione. <i>Chemosphere</i> , 2018, 196, 145-152.	8.2	23
49	Electrical properties of screen printed BaTiO ₃ thick films. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1467-1471.	5.7	22
50	A high-sensitive current-mode pressure/force detector based on piezoelectric polymer PVDF. <i>Sensors and Actuators A: Physical</i> , 2018, 276, 165-175.	4.1	22
51	Influence of mechanical activation on the structure of ultrafine BaTiO ₃ powders. <i>Journal of Alloys and Compounds</i> , 2009, 486, 633-639.	5.5	21
52	The effect of annealing temperature and time on synthesis of graphene thin films by rapid thermal annealing. <i>Synthetic Metals</i> , 2015, 209, 461-467.	3.9	21
53	Influence of different pore-forming agents on wollastonite microstructures and adsorption capacities. <i>Ceramics International</i> , 2017, 43, 7461-7468.	4.8	21
54	Freeze vs. Spray Drying for Dry Wild Thyme (<i>Thymus serpyllum</i> L.) Extract Formulations: The Impact of Gelatin as a Coating Material. <i>Molecules</i> , 2021, 26, 3933.	3.8	21

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55	Microstructural evolution and electric properties of mechanically activated BaTiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2007, 27, 575-579.	5.7	20
56	Functionalization of zinc ferrite nanoparticles: Influence of modification procedure on colloidal stability. <i>Processing and Application of Ceramics</i> , 2016, 10, 287-293.	0.8	20
57	Vertical distribution of natural radionuclides in soil: Assessment of external exposure of population in cultivated and undisturbed areas. <i>Science of the Total Environment</i> , 2012, 429, 309-316.	8.0	19
58	Raman Responses in Mechanically Activated BaTiO ₃ . <i>Journal of the American Ceramic Society</i> , 2014, 97, 601-608.	3.8	19
59	Synthesis and characterization of a new type of levan-graft-polystyrene copolymer. <i>Carbohydrate Polymers</i> , 2016, 154, 20-29.	10.2	19
60	Structure analysis of geopolymers synthesized from clay originated from Serbia. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	19
61	Dielectric properties, complex impedance and electrical conductivity of Fe ₂ TiO ₅ nanopowder compacts and bulk samples at elevated temperatures. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 4796-4806.	2.2	19
62	Influence of mechanical activation on microstructure and crystal structure of sintered MgO-TiO ₂ system. <i>Science of Sintering</i> , 2010, 42, 143-151.	1.4	19
63	Impedance Response and Dielectric Relaxation in Liquid-Phase Sintered Zn ₂ SnO ₄ -SnO ₂ Ceramics. <i>Journal of Electronic Materials</i> , 2010, 39, 447-455.	2.2	17
64	Novel Utilization of Fly Ash for High-Temperature Mortars: Phase Composition, Microstructure and Performances Correlation. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 133-146.	2.1	17
65	Dispersion efficiency of montmorillonites in epoxy nanocomposites using solution intercalation and direct mixing methods. <i>Applied Clay Science</i> , 2018, 154, 52-63.	5.2	17
66	Bimetallic alginate nanocomposites: New antimicrobial biomaterials for biomedical application. <i>Materials Letters</i> , 2018, 212, 32-36.	2.6	17
67	ROS-inducing potential, influence of different porogens and in vitro degradation of poly (D,L-lactide-co-glycolide)-based material. <i>EXPRESS Polymer Letters</i> , 2011, 5, 996-1008.	2.1	17
68	The Structuring of Sage (<i>Salvia officinalis</i> L.) Extract-Incorporating Edible Zein-Based Materials with Antioxidant and Antibacterial Functionality by Solvent Casting versus Electrospinning. <i>Foods</i> , 2022, 11, 390.	4.3	17
69	Structural and electrical properties of sintered zinc-titanate ceramics. <i>Ceramics International</i> , 2009, 35, 35-37.	4.8	16
70	Effect of consolidation parameters on structural, microstructural and electrical properties of magnesium titanate ceramics. <i>Ceramics International</i> , 2016, 42, 9887-9898.	4.8	16
71	Polyamidoamine as a clay modifier and curing agent in preparation of epoxy nanocomposites. <i>Progress in Organic Coatings</i> , 2019, 131, 311-321.	3.9	16
72	Enhanced accessibility of active sites in hierarchical ZSM-5 zeolite for removal of pharmaceutically active substances: Adsorption and microcalorimetric study. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1945-1954.	4.9	16

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73	Application of the Master Sintering Curve Theory to Non-Isothermal Sintering of BaTiO ₃ Ceramics. <i>Materials Science Forum</i> , 2005, 494, 417-422.	0.3	15
74	Morphology investigation of mechanically activated ZnO-SnO ₂ system. <i>Ceramics International</i> , 2008, 34, 639-643.	4.8	15
75	Application of the intergranular impedance model in correlating microstructure and electrical properties of doped BaTiO ₃ . <i>Science of Sintering</i> , 2009, 41, 247-256.	1.4	15
76	Structural investigation of mechanically activated nanocrystalline BaTiO ₃ powders. <i>Ceramics International</i> , 2011, 37, 2513-2518.	4.8	15
77	Facile synthesis of poly(μ -caprolactone) micro and nanospheres using different types of polyelectrolytes as stabilizers under ambient and elevated temperature. <i>Composites Part B: Engineering</i> , 2013, 45, 1471-1479.	12.0	15
78	Hepatoprotective effect of fullerene/doxorubicin nanocomposite in acute treatment of healthy rats. <i>Experimental and Molecular Pathology</i> , 2018, 104, 199-211.	2.1	15
79	Cross-Linkable Modified Nanocellulose/Polyester Resin-Based Composites: Effect of Unsaturated Fatty Acid Nanocellulose Modification on Material Performances. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700648.	3.6	15
80	Design of halloysite modification for improvement of mechanical properties of the epoxy based nanocomposites. <i>Polymer Composites</i> , 2021, 42, 2180-2192.	4.6	15
81	PVDF-HFP/NKBT composite dielectrics: Perovskite particles induce the appearance of an additional dielectric relaxation process in ferroelectric polymer matrix. <i>Polymer Testing</i> , 2021, 96, 107093.	4.8	15
82	Microstructural properties of electrochemically prepared Ni-Fe-W powders. <i>Materials Chemistry and Physics</i> , 2012, 135, 212-219.	4.0	14
83	Optimization of bentonite clay mechano-chemical activation using artificial neural network modeling. <i>Ceramics International</i> , 2017, 43, 2549-2562.	4.8	14
84	Modification of graphene oxide surfaces with 12-molybdophosphoric acid: Structural and antibacterial study. <i>Materials Chemistry and Physics</i> , 2018, 213, 157-167.	4.0	14
85	Structural and electrical properties of Ti doped γ -Fe ₂ O ₃ . <i>Science of Sintering</i> , 2013, 45, 281-292.	1.4	14
86	Rheology and Microstructures of Rennet Gels from Differently Heated Goat Milk. <i>Foods</i> , 2020, 9, 283.	4.3	13
87	Thermally induced crystallization of amorphous Fe ₄₀ Ni ₄₀ P ₁₄ B ₆ alloy. <i>Thermochimica Acta</i> , 2015, 614, 129-136.	2.7	12
88	Effect of the vinyl modification of multi-walled carbon nanotubes on the performances of waste poly(ethylene terephthalate)-based nanocomposites. <i>Journal of Composite Materials</i> , 2017, 51, 491-505.	2.4	12
89	Scanning electron microscopic examination of enamel surface after fixed orthodontic treatment: In-vivo study. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2012, 140, 22-28.	0.2	12
90	Structural investigation of mechanically activated ZnO powder. <i>Journal of Alloys and Compounds</i> , 2015, 648, 971-979.	5.5	11

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91	Electronic ceramic structure within the Voronoi cells model and microstructure fractals contacts surfaces new frontier applications. <i>Science of Sintering</i> , 2013, 45, 223-232.	1.4	10
92	Structural properties of the multiwall carbon nanotubes/poly(methyl methacrylate) nanocomposites: Effect of the multiwall carbon nanotubes covalent functionalization. <i>Polymer Composites</i> , 2017, 38, E472.	4.6	10
93	Influence of different bonding and fluxing agents on the sintering behavior and dielectric properties of steatite ceramic materials. <i>Ceramics International</i> , 2017, 43, 13264-13275.	4.8	10
94	Structure and enhanced antimicrobial activity of mechanically activated nano TiO ₂ . <i>Journal of the American Ceramic Society</i> , 2019, 102, 7735-7745.	3.8	10
95	Controllable synthesis of Fe ₃ O ₄ -wollastonite adsorbents for efficient heavy metal ions/oxyanions removal. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12379-12398.	5.3	10
96	Synthesis and characterization of BaTiO ₃ /Fe ₂ O ₃ core/shell structure. <i>Journal of Advanced Ceramics</i> , 2019, 8, 133-147.	17.4	10
97	Processing and properties of dense cordierite ceramics obtained through solid-state reaction and pressure-less sintering. <i>Advances in Applied Ceramics</i> , 2019, 118, 241-248.	1.1	10
98	Structure and composition of soils. <i>Processing and Application of Ceramics</i> , 2010, 4, 259-263.	0.8	10
99	Physical properties of sintered alumina doped with different oxides. <i>Science of Sintering</i> , 2018, 50, 409-419.	1.4	10
100	Nickel-based super-alloy Inconel 600 morphological modifications by high repetition rate femtosecond Ti:sapphire laser. <i>Laser and Particle Beams</i> , 2009, 27, 699-707.	1.0	9
101	Structural characterization and electrical properties of sintered magnesium titanate ceramics. <i>Journal of Alloys and Compounds</i> , 2013, 555, 39-44.	5.5	9
102	Optical properties of spherical quantum dot with on-center hydrogen impurity in magnetic field. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	9
103	CdS quantum dots sensitized TiO ₂ nanotubes by matrix assisted pulsed laser evaporation method. <i>Ceramics International</i> , 2016, 42, 9011-9017.	4.8	9
104	The impedance analysis of sintered MgTiO ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 701, 107-115.	5.5	9
105	Influence of mechanical activation on functional properties of barium hexaferrite ceramics. <i>Ceramics International</i> , 2018, 44, 6666-6672.	4.8	9
106	High-performance laminate material based on polyurethane and epoxide reinforced by silica particles from rice husk used for intelligent pedestrian crossings. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 319-330.	2.4	9
107	Microstructural and electrical properties of cordierite-based ceramics obtained after two-step sintering technique. <i>Science of Sintering</i> , 2016, 48, 157-165.	1.4	9
108	Microstructure evolution and phase transition in La/Mn doped barium titanate ceramics. <i>Processing and Application of Ceramics</i> , 2010, 4, 253-258.	0.8	8

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109	Monolayer graphene films through nickel catalyzed transformation of fullerol and graphene quantum dots: a Raman spectroscopy study. <i>Physica Scripta</i> , 2014, T162, 014030.	2.5	8
110	Microstructure and Dielectric Properties of Rare-Earth Doped BaTiO ₃ Ceramics. <i>Ferroelectrics</i> , 2014, 470, 159-167.	0.6	8
111	Customizing the spent coffee for <i>Trichoderma reesei</i> cellulase immobilization by modification with activating agents. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1856-1863.	7.5	8
112	Enzyme immobilization using two processing methods onto silica core-shell particles. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2021, 60, 243-254.	1.9	8
113	Influence of prolonged sintering time on density and electrical properties of isothermally sintered cordierite-based ceramics. <i>Science of Sintering</i> , 2013, 45, 157-164.	1.4	8
114	Structure and photocatalytic properties of sintered TiO ₂ nanotube arrays. <i>Science of Sintering</i> , 2018, 50, 39-50.	1.4	8
115	One-pot combustion synthesis of nickel oxide and hematite: From simple coordination compounds to high purity metal oxide nanoparticles. <i>Science of Sintering</i> , 2020, 52, 481-490.	1.4	8
116	Hydroxyapatite/TiO ₂ Nanomaterial with Defined Microstructural and Good Antimicrobial Properties. <i>Antibiotics</i> , 2022, 11, 592.	3.7	8
117	Processing parameter influence on BaTiO ₃ ceramic fractal microstructure and dielectric characteristics. <i>Advances in Applied Ceramics</i> , 2012, 111, 360-366.	1.1	7
118	Dehydration investigations of a refractory concrete using DTA method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 37-41.	3.6	7
119	Depth Distribution of ¹³⁷ Cs in Anthrosol from the Experimental Field "Radmilovac" Near Belgrade, Serbia. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2013, 64, 425-430.	0.7	7
120	Investigation of thermally induced processes in corundum refractory concretes with addition of fly ash. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 1339-1352.	3.6	7
121	Reaction kinetics of mechanically activated cordierite-based ceramics studied via DTA. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 667-673.	3.6	7
122	Tailoring the physico-chemical and antimicrobial properties of agar-based films by in situ formation of Cu-mineral phase. <i>European Polymer Journal</i> , 2019, 119, 352-358.	5.4	7
123	Kinetics of thermally activated processes in cordierite-based ceramics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2989-2998.	3.6	7
124	Formation kinetics and cation inversion in mechanically activated MgAl ₂ O ₄ spinel ceramics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 95-107.	3.6	7
125	Low temperature sintering of mechanically activated BaCO ₃ -TiO ₂ . <i>Science of Sintering</i> , 2002, 34, 73-77.	1.4	7
126	Fractal corrections of BaTiO ₃ -ceramic sintering parameters. <i>Science of Sintering</i> , 2014, 46, 149-156.	1.4	7

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127	Distribution of natural radionuclides in anthrosol-type soil. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 0, , .	2.1	7
128	Structural Characterization of Nanocellulose/Fe ₃ O ₄ Hybrid Nanomaterials. Polymers, 2022, 14, 1819.	4.5	7
129	Grain growth during sintering of BaTiO ₃ with LiF. Ferroelectrics, 1996, 186, 165-168.	0.6	6
130	Butterfly scales as bionic templates for complex ordered nanophotonic materials: A pathway to biomimetic plasmonics. Optical Materials, 2013, 35, 1869-1875.	3.6	6
131	Raman spectroscopy study of graphene thin films synthesized from solid precursor. Optical and Quantum Electronics, 2016, 48, 1.	3.3	6
132	Sintering of mechanically activated magnesium-titanate and barium-zinc-titanate ceramics. Science of Sintering, 2011, 43, 145-151.	1.4	6
133	Sintering process influence on microstructure and intergranular impedance of rare-earth modified BaTiO ₃ -ceramics. Science of Sintering, 2011, 43, 277-287.	1.4	6
134	Effects of mechanical activation on the formation and sintering kinetics of barium strontium titanate ceramics. Science of Sintering, 2020, 52, 371-385.	1.4	6
135	Hybrid amino-terminated lignin microspheres loaded with magnetite and manganese oxide nanoparticles: An effective hazardous oxyanions adsorbent. Journal of Environmental Chemical Engineering, 2022, 10, 108009.	6.7	6
136	Phase Transformations and Thermal Effects of Mechanically Activated BaCO ₃ -TiO ₂ System. Ferroelectrics, 2002, 271, 391-396.	0.6	5
137	Isothermal sintering of barium-zinc-titanate ceramics. Ceramics International, 2011, 37, 21-27.	4.8	5
138	The influence of mechanical activation on the electrical properties of Ba _{0.77} Sr _{0.23} TiO ₃ ceramics. Ceramics International, 2014, 40, 11883-11888.	4.8	5
139	Encapsulation of peach waste extract in <i>Saccharomyces cerevisiae</i> cells. Journal of the Serbian Chemical Society, 2021, 86, 367-380.	0.8	5
140	Depth distribution of available micronutrients in cultivated soil. Journal of Agricultural Sciences (Belgrade), 2015, 60, 177-187.	0.3	5
141	Electrical properties and microstructure fractal analysis of magnesium-modified aluminium-silicate ceramics. Science of Sintering, 2011, 43, 193-204.	1.4	5
142	Mechanical-chemical synthesis Ba _{0.77} Sr _{0.23} TiO ₃ . Science of Sintering, 2012, 44, 47-55.	1.4	5
143	The influence of mechanical activation on sintering process of BaCO ₃ -SrCO ₃ -TiO ₂ system. Science of Sintering, 2012, 44, 271-280.	1.4	5
144	Advantages of combined sintering compared to conventional sintering of mechanically activated magnesium titanate. Science of Sintering, 2014, 46, 283-290.	1.4	5

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145	The influence of compaction pressure on the density and electrical properties of cordierite-based ceramics. <i>Science of Sintering</i> , 2015, 47, 15-22.	1.4	5
146	Sintering of fly ash based composites with zeolite and bentonite addition for application in construction materials. <i>Science of Sintering</i> , 2017, 49, 23-37.	1.4	5
147	Microstructure and phase composition of steatite ceramics sintered by traditional and spark plasma sintering. <i>Science of Sintering</i> , 2018, 50, 299-312.	1.4	5
148	SYNTHESIS AND CHARACTERIZATION OF ELECTROCHEMICALLY EXFOLIATED GRAPHENE-MOLYBDOPHOSPHATE HYBRID MATERIALS FOR CHARGE STORAGE DEVICES. <i>Electrochimica Acta</i> , 2016, 217, 34-46.	5.2	4
149	Simple route for the preparation of graphene/poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) nanocomposite films with enhanced electrical conductivity and hydrophobicity. <i>Polymer International</i> , 2018, 67, 1118-1127.	3.1	4
150	Influence of different concentrations of Zn-carbonate phase on physical-chemical properties of antimicrobial agar composite films. <i>Materials Letters</i> , 2019, 255, 126572.	2.6	4
151	High Heat Treatment of Goat Cheese Milk. The Effect on Sensory Profile, Consumer Acceptance and Microstructure of Cheese. <i>Foods</i> , 2021, 10, 1116.	4.3	4
152	Physico-chemical soil analysis of Rudovci region. <i>Geonauka</i> , 2013, 01, 1-8.	0.1	4
153	Analysis of early-stage sintering mechanisms of mechanically activated BaTiO ₃ . <i>Science of Sintering</i> , 2006, 38, 239-244.	1.4	4
154	Influence of mechanical activation on structural and electrical properties of sintered MgTiO ₃ ceramics. <i>Science of Sintering</i> , 2009, 41, 117-123.	1.4	4
155	Analysis and modeling of sintering of Sr-hexaferrite produced by PIM technology. <i>Science of Sintering</i> , 2011, 43, 9-20.	1.4	4
156	Intergranular area microalloyed aluminium-silicate ceramics fractal analysis. <i>Science of Sintering</i> , 2013, 45, 117-126.	1.4	4
157	Formation of porous wollastonite-based ceramics after sintering with yeast as the pore-forming agent. <i>Science of Sintering</i> , 2017, 49, 235-246.	1.4	4
158	Evaluation of adsorption performance and quantum chemical modeling of pesticides removal using Cell-MG hybrid adsorbent. <i>Science of Sintering</i> , 2021, 53, 355-378.	1.4	4
159	Properties of free-standing graphene oxide/silver nanowires films and effects of chemical reduction and gamma irradiation. <i>Synthetic Metals</i> , 2022, 283, 116980.	3.9	4
160	Photoactive graphene quantum dots/bacterial cellulose hydrogels: Structural, mechanical, and pro-oxidant study. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51996.	2.6	4
161	The influence of mechanical activation on the morphological changes of Fe/BaTiO ₃ powder. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 212, 89-95.	3.5	3
162	DUV fluorescence bioimaging study of the interaction of partially reduced graphene oxide and liver cancer cells. <i>2D Materials</i> , 2018, 5, 045019.	4.4	3

#	ARTICLE	IF	CITATIONS
163	Polymer-Ceramic Nanocomposites and Converging Technologies. , 2021, , 134-144.		3
164	Synthesis of barium-zinc-titanate ceramics. Science of Sintering, 2012, 44, 65-71.	1.4	3
165	Study of nanosized hydroxyapatite material annealing at different retention times. Science of Sintering, 2020, 52, 405-413.	1.4	3
166	Nanocrystalline Zn ₂ SnO ₄ /SnO ₂ : Crystal structure and humidity influence on complex impedance. Journal of Electroceramics, 2020, 45, 135-147.	2.0	3
167	Removal of the As(V) and Sr(VI) from the water using magnetite/3D-printed wollastonite hybrid adsorbent. Science of Sintering, 2022, 54, 105-124.	1.4	3
168	Potential Usage of Hybrid Polymers Binders Based on Fly Ash with the Addition of PVA with Satisfying Mechanical and Radiological Properties. Gels, 2021, 7, 270.	4.5	3
169	Selective Al-Ti reactivity in laser-processed Al/Ti multilayers. Materials and Manufacturing Processes, 2017, 32, 1622-1627.	4.7	2
170	Contribution of Frenkel's theory to the development of materials science. Science of Sintering, 2006, 38, 3-6.	1.4	2
171	Characterisation of Mn _{0.63} Zn _{0.37} Fe ₂ O ₄ powders after intensive milling and subsequent thermal treatment. Science of Sintering, 2017, 49, 455-467.	1.4	2
172	Effect of chemical composition on microstructural properties and sintering kinetics of (Ba,Sr)TiO ₃ powders. Science of Sintering, 2018, 50, 29-38.	1.4	2
173	ZnTiO ₃ ceramic nanopowder microstructure changes during compaction. Science of Sintering, 2013, 45, 209-221.	1.4	2
174	Novel magnetic polymer/bentonite composite: Characterization and application for Re(VII) and W(VI) adsorption. Science of Sintering, 2021, 53, 419-428.	1.4	2
175	Brushite-Metakaolin Composite Geopolymer Material as an Effective Adsorbent for Lead Removal from Aqueous Solutions. Sustainability, 2022, 14, 4003.	3.2	2
176	Screen Printed Barium Titanate Thick Films Prepared from Mechanically Activated Powders. Key Engineering Materials, 2001, 206-213, 1425-1428.	0.4	1
177	DPR Analysis of Microstructural Evolution of ZnO Ceramics. Materials Science Forum, 2004, 453-454, 453-458.	0.3	1
178	The Influence of Tribophysical Activation on Non-Isothermal Sintering of BaTiO ₃ Ceramics. Materials Science Forum, 2006, 514-516, 1566-1570.	0.3	1
179	Effects of mechanical-activation and TiO ₂ addition on the behavior of two-step sintered steatite ceramics. Ceramics International, 2019, 45, 3013-3022.	4.8	1
180	SINTEZA I STRUKTURA BAKTERIJSKE CELLULOZE PRIMENOM BAKTERIJA SIRÄTETNOG VRENJA. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
181	Photoacoustic spectroscopy investigation of sintered zinc-tin-oxide ceramics. <i>Hemijska Industrija</i> , 2007, 61, 142-146.	0.7	1
182	Isothermal kinetics of titanium-oxo-alkoxy clusters formation. <i>Science of Sintering</i> , 2011, 43, 95-104.	1.4	1
183	Influence of mechanical activation on MgO-Al ₂ O ₃ -SiO ₂ system in the presence of TeO ₂ additive. <i>Tehnika</i> , 2016, 71, 797-802.	0.2	1
184	Physico-chemical and mechanical properties of geopolymer/zircon composites. <i>Science of Sintering</i> , 2022, 54, 11-24.	1.4	1
185	Optimization of the synthesis parameters of nanocomposites based on bacterial nanocellulose/Fe ₃ O ₄ . <i>Tehnika</i> , 2021, 76, 273-278.	0.2	0
186	Investigation of sintering kinetics of magnesium titanate. <i>Science of Sintering</i> , 2013, 45, 133-139.	1.4	0
187	Synthesis of magnesium titanates by mechanochemical method. <i>Tehnika</i> , 2014, 69, 727-731.	0.2	0
188	Cesium removal from aqueous solution by natural mineral clinoptilolite. <i>Nuclear Technology and Radiation Protection</i> , 2014, 29, 135-141.	0.8	0
189	Electrical properties of magnesium titanate ceramics post-sintered by hot isostatic pressing. <i>Science of Sintering</i> , 2017, 49, 373-380.	1.4	0
190	Characterization of FeCoV alloy processed by PIM/MIM route. <i>Science of Sintering</i> , 2017, 49, 299-309.	1.4	0
191	Gelatin as a carrier system for delivery of polyphenols compounds. <i>Tehnika</i> , 2017, 72, 633-639.	0.2	0
192	TiO ₂ based nanomaterials and nanostructures for green convergent technologies and environmental protection. <i>Materials Protection</i> , 2020, 61, 346-355.	0.9	0