Bojan A Marinkovic

List of Publications by Year
in descending order

71 papers	1,648 citations	304743 22 h-index	302126 39 g-index
72 all docs	72 docs citations	72 times ranked	1693 citing authors

#	Article	IF	Citations
1	A study on the structure and thermal stability of titanate nanotubes as a function of sodium content. Solid State Sciences, 2006, 8, 888-900.	3.2	234
2	Characterization of Nanostructured Titanates Obtained by Alkali Treatment of TiO2-Anatases with Distinct Crystal Sizes. Chemistry of Materials, 2007, 19, 665-676.	6.7	153
3	Multistep structural transition of hydrogen trititanate nanotubes into TiO₂<i>-</i>B nanotubes: a comparison study between nanostructured and bulk materials. Nanotechnology, 2007, 18, 495710.	2.6	104
4	Correlation between AO₆ Polyhedral Distortion and Negative Thermal Expansion in Orthorhombic Y₂Mo₃O₁₂ and Related Materials. Chemistry of Materials, 2009, 21, 2886-2894.	6.7	99
5	Zero Thermal Expansion in ZrMgMo₃O₁₂: NMR Crystallography Reveals Origins of Thermoelastic Properties. Chemistry of Materials, 2015, 27, 2633-2646.	6.7	90
6	In2Mo3O12: A low negative thermal expansion compound. Thermochimica Acta, 2010, 499, 48-53.	2.7	56
7	Effects of thermal treatment of nanostructured trititanates on their crystallographic and textural properties. Materials Research Bulletin, 2007, 42, 1748-1760.	5.2	52
8	Low positive thermal expansion in HfMgMo₃O₁₂. Physica Status Solidi (B): Basic Research, 2008, 245, 2514-2519.	1.5	43
9	Nearâ€Zero Thermal Expansion in <scp><scp>In</scp></scp>(<scp><scp>HfMg</scp></scp>)_{0.5}<scp><scp>Mo</scp></scp>₃<scp><scp>O< Journal of the American Ceramic Society, 2013, 96, 561-566.	3.8	43
10	The effects of the chemical composition of titanate nanotubes and solvent type on 3-aminopropyltriethoxysilane grafting efficiency. Applied Surface Science, 2014, 301, 315-322.	6.1	40
11	Characterization and thermal stability of cobalt-modified 1-D nanostructured trititanates. Journal of Solid State Chemistry, 2009, 182, 172-181.	2.9	37
12	HDS of thiophene over CoMo/AlMCM-41 with different Si/Al ratios. Applied Catalysis A: General, 2007, 316, 212-218.	4.3	35
13	Thermal, vibrational, and thermoelastic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Mo</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">O</m	3.2	34
14	Low-temperature investigations of the open-framework material HfMgMo3O12. Solid State Communications, 2012, 152, 1748-1752.	1.9	32
15	The effect of microstructure on thermal expansion coefficients in powder-processed Al2Mo3O12. Journal of Materials Science, 2013, 48, 2986-2996.	3.7	32
16	Thermal and mechanical properties of polyamide 11 based composites reinforced with surface modified titanate nanotubes. Materials and Design, 2015, 83, 459-467.	7.0	32
17	Textural features of highly ordered Al-MCM-41 molecular sieve studied by X-ray diffraction, nitrogen adsorption and transmission electron microscopy. Materials Letters, 2006, 60, 2682-2685.	2.6	30
18	Characterization and hydrotreating performance of NiMo catalysts supported on nanostructured titanate. Applied Catalysis A: General, 2009, 357, 142-149.	4.3	30

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19	Rapid synthesis of the low thermal expansion phase of Al2Mo3O12 via a solâ€“gel method using polyvinyl alcohol. Journal of Sol-Gel Science and Technology, 2011, 58, 121-125.	2.4	29
20	Al2Mo3O12/polyethylene composites with reduced coefficient of thermal expansion. Journal of Materials Science, 2014, 49, 7870-7882.	3.7	26
21	Hydrothermal synthesis of nanostructured Y2O3 and (Y0.75Gd0.25)2O3 based phosphors. Optical Materials, 2013, 35, 1817-1823.	3.6	24
22	Studies on Fe-modified nanostructured trititanates. Materials Chemistry and Physics, 2011, 126, 118-127.	4.0	23
23	Structure and properties of bifunctional catalysts based on zirconia modified by tungsten oxide obtained by polymeric precursor method. Applied Catalysis A: General, 2008, 342, 56-62.	4.3	21
24	Precursor Particle Size as the Key Parameter for Isothermal Tuning of Morphology from Nanofibers to Nanotubes in the Na_{2âˆ’<i>x</i>}H_{<i>x</i>}Ti_{<i>n</i>}O_{2<i>n</i>+1} System through Hydrothermal Alkali Treatment of Rutile Mineral Sand. Crystal Growth and Design, 2009, 9, 2152-2158.	3.0	21
25	Thermal Expansion Reduction in Aluminaâ€Toughened Zirconia by Incorporation of Zirconium Tungstate and Aluminum Tungstate. Journal of the American Ceramic Society, 2015, 98, 2858-2865.	3.8	20
26	Negative and Near-Zero Thermal Expansion in A2M3O12 and Related Ceramic Families: A Review. Frontiers in Materials, 2021, 8, .	2.4	18
27	Assessment of the Thermal Shock Resistance Figures of Merit of Al₂W₃O₁₂, a Low Thermal Expansion Ceramic. Journal of the American Ceramic Society, 2016, 99, 1742-1748.	3.8	17
28	Compositional and structural dependence of up-converting rare earth fluorides obtained through EDTA assisted hydro/solvothermal synthesis. Advanced Powder Technology, 2017, 28, 73-82.	4.1	17
29	Application of silane grafted titanate nanotubes in reinforcing of polyamide 11 composites. Composites Part B: Engineering, 2016, 93, 153-162.	12.0	16
30	Co-precipitation synthesis of Y 2 W 3 O 12 submicronic powder. Ceramics International, 2017, 43, 4222-4228.	4.8	14
31	The Influence of Calcination Temperature on Photocatalytic Activity of TiO2-Acetylacetone Charge Transfer Complex towards Degradation of NOx under Visible Light. Catalysts, 2020, 10, 1463.	3.5	13
32	Co-precipitation of low-agglomerated Y2W3O12 nanoparticles: The effects of aging time, calcination temperature and surfactant addition. Ceramics International, 2019, 45, 20189-20196.	4.8	12
33	Effects of low contents of A₂M₃O₁₂ submicronic thermomioticâ€like fillers on thermal expansion and mechanical properties of HDPEâ€based composites. Polymer Composites, 2018, 39, E1821.	4.6	11
34	Soft chemistry routes for synthesis of rare earth oxide nanoparticles with well defined morphological and structural characteristics. Journal of Nanoparticle Research, 2011, 13, 5887-5897.	1.9	10
35	Prototyping of meso- and microfluidic devices with embedded TiO₂photocatalyst for photodegradation of an organic dye. Journal of Flow Chemistry, 2016, 6, 101-109.	1.9	10
36	Near-zero thermal expansion and phase transition in In_{0.5}(ZrMg)_{0.75}Mo₃O₁₂. Journal of Materials Research, 2016, 31, 3240-3248.	2.6	10

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37	Visible light sensitive mesoporous nanohybrids of lepidocrocite-like ferrititanate coupled to a charge transfer complex: Synthesis, characterization and photocatalytic degradation of NO. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 365, 133-144.	3.9	10
38	Relationship between sintering methods and physical properties of the low positive thermal expansion material Al₂W₃O₁₂. International Journal of Applied Ceramic Technology, 2019, 16, 346-356.	2.1	10
39	The effect of titanate nanotube/Y2W3O12 hybrid fillers on mechanical and thermal properties of HDPE-based composites. Materials Today Communications, 2019, 18, 124-135.	1.9	9
40	Solubility limit of Zn2+ in low thermal expansion ZrMgMo3O12 and its influence on phase transition temperature. Ceramics International, 2020, 46, 3979-3983.	4.8	9
41	Naxâˆ’yHyTi2âˆ’xFexO4Â·nH2O nanosheets with lepidocrocite-like layered structure synthesized by hydrothermal treatment of ilmenite sand. Open Chemistry, 2011, 9, 415-421.	1.9	8
42	One-step synthesis of amino-functionalized up-converting NaYF₄:Yb,Er nanoparticles for<i>in vitro</i>cell imaging. RSC Advances, 2018, 8, 27429-27437.	3.6	8
43	Data on phase and chemical compositions of black sands from â€œEl Ostionalâ€•beach situated in Mompiche, Ecuador. Data in Brief, 2020, 32, 106214.	1.0	8
44	Towards Iron-Titanium Oxide Nanostructures from Ecuadorian Black Mineral Sands. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	8
45	Processing of bulk Bi-2223 high-temperature superconductor. Materials Research, 2005, 8, 391-394.	1.3	7
46	The effect of anatase crystal morphology on the photocatalytic conversion of NO by TiO2-based nanomaterials. Open Chemistry, 2012, 10, 1183-1198.	1.9	7
47	Mechanical properties of amine-cured epoxy composites reinforced with pristine protonated titanate nanotubes. Journal of Materials Research and Technology, 2020, 9, 15771-15778.	5.8	7
48	TiO2-Acetylacetone as an Efficient Source of Superoxide Radicals under Reduced Power Visible Light: Photocatalytic Degradation of Chlorophenol and Tetracycline. Catalysts, 2022, 12, 116.	3.5	7
49	Structural resistance of chemically modified 1-D nanostructured titanates in inorganic acid environment. Materials Characterization, 2010, 61, 1009-1017.	4.4	5
50	Evaluating Al2-xGaxW3O12 system for thermal shock resistance. Journal of Solid State Chemistry, 2019, 277, 149-158.	2.9	5
51	Negative thermal expansion and cationic migration in zeolite Y used in FCC catalysts. Bulletin of Materials Science, 2019, 42, 1.	1.7	5
52	Natural Aging of Ethylene-Propylene-Diene Rubber under Actual Operation Conditions of Electrical Submersible Pump Cables. Materials, 2021, 14, 5520.	2.9	5
53	Lepidocrocite-like ferrititanate nanosheets and their full exfoliation with quaternary ammonium compounds. Materials and Design, 2015, 85, 197-204.	7.0	4
54	Thermally induced phase transformations of lepidocrocite-like ferrititanate nanosheets synthesized from a low cost precursor by hydrothermal method. Materials Chemistry and Physics, 2017, 197, 138-144.	4.0	4

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55	TiO₂ anatase nanorods with non-equilibrium crystallographic {001} facets and their coatings exhibiting high photo-oxidation of NO gas. Environmental Technology (United Kingdom), 2018, 39, 231-239.	2.2	4
56	Effects of different polymers and solvents on crystallization of the $$hbox {NaYF}_{4}$$:Yb/Er phase. Bulletin of Materials Science, 2020, 43, 1.	1.7	4
57	Hygroscopicity, phase transition and thermal expansion in Yb2-Ga W3O12 system. Journal of Alloys and Compounds, 2021, 854, 156643.	5.5	4
58	Thermal properties of single crystals of the low-positive thermal expansion material Al2W3O12. Solid State Communications, 2022, 353, 114873.	1.9	4
59	Pressure-induced structural transformations in In_{2-x} Y_x (MoO₄) Tj ETQq1 1 0.784314 rgBT /Over	2.5	3
60	Phase Transition and Coefficients of Thermal Expansion in Al2â^’xInxW3O12 (0.2 â‰ x â‰ 1). Materials, 2021, 14, 4021.	2.9	3
61	PROTOTYPING OF PHOTOCATALYTIC MICROREACTOR AND TESTING OF PHOTODEGRADATION OF ORGANIC DYE. Quimica Nova, 2015, , .	0.3	3
62	One-Step Synthesis of Iron and Titanium-Based Compounds Using Black Mineral Sands and Oxalic Acid under Subcritical Water Conditions. Minerals (Basel, Switzerland), 2022, 12, 306.	2.0	3
63	Zero thermal expansion in ZrMg1-xZnxMo3O12. Ceramics International, 2021, 47, 26567-26571.	4.8	2
64	Microstructural and Optical Properties of MgAl2O4 Spinel: Effects of Mechanical Activation, Y2O3 and Graphene Additions. Materials, 2021, 14, 7674.	2.9	2
65	Data supporting micromechanical models for the estimation of Young's modulus and coefficient of thermal expansion of titanate nanotube/Y2W3O12/HDPE ternary composites. Data in Brief, 2019, 25, 104247.	1.0	1
66	Effects of Fused Silica Addition on Thermal Expansion, Density, and Hardness of Alumix-231 Based Composites. Materials, 2022, 15, 3476.	2.9	1
67	Reformation of (Bi, Pb)-2223 Superconducting Phase after Complete Peritectic Melting. Journal of Physics: Conference Series, 2006, 43, 59-62.	0.4	0
68	Negative Thermal Expansion in Y2Mo3O12.. ChemInform, 2006, 37, no.	0.0	0
69	Thermal Expansion Behaviour of Magnesium Boron Fibrous Composites. International Journal of Vehicle Structures and Systems, 2012, 4, .	0.2	0
70	Development of Î±-Al₂O₃ Ceramics for Bottom of Sintering Impeller Furnace. Materials Science Forum, 0, 881, 91-96.	0.3	0
71	ConsolidaÃ§Ã£o, sinterizaÃ§Ã£o e propriedades tÃ©rmicas e mecÃ¢nicas da ï¡alfa-Al2O3. Cadernos UniFOA, 2014, 9, 31.	0.1	0