

Vladimir Djokovic

List of Publications by Year in descending order

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71
papers

2,493
citations

201385

27
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205818

48
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71
all docs

71
docs citations

71
times ranked

3552
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and Characterization of Silver~Polyvinyl Alcohol Nanocomposites. <i>Chemistry of Materials</i> , 2003, 15, 5019-5024.	3.2	565
2	Morphology, mechanical and thermal properties of composites of polypropylene and nanostructured wollastonite filler. <i>Polymer Testing</i> , 2009, 28, 348-356.	2.3	132
3	Fabrication and antibacterial properties of ZnO~alginate nanocomposites. <i>Carbohydrate Polymers</i> , 2012, 88, 263-269.	5.1	119
4	Temperature dependence of the electrical conductivity of epoxy/expanded graphite nanosheet composites. <i>Scripta Materialia</i> , 2008, 58, 846-849.	2.6	96
5	Synthesis and characterization of nanocomposite of polyvinyl alcohol and lead sulfide nanoparticles. <i>Materials Chemistry and Physics</i> , 2006, 95, 67-71.	2.0	86
6	~Green~™ synthesis and optical properties of silver~chitosan complexes and nanocomposites. <i>Reactive and Functional Polymers</i> , 2010, 70, 869-873.	2.0	86
7	Preparation and properties of nano-sized Ag and Ag ₂ S particles in biopolymer matrix. <i>European Physical Journal E</i> , 2007, 22, 51-59.	0.7	70
8	Thermal and mechanical properties of cross-linked and uncross-linked linear low-density polyethylene~wax blends. <i>Polymer Degradation and Stability</i> , 2003, 79, 53-59.	2.7	67
9	Adsorption of sulfur onto a surface of silver nanoparticles stabilized with sago starch biopolymer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 30-35.	2.5	59
10	Silver nanoparticles encapsulated in glycogen biopolymer: Morphology, optical and antimicrobial properties. <i>Carbohydrate Polymers</i> , 2011, 83, 883-890.	5.1	54
11	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, .	1.1	48
12	Influence of CdS-filler on the thermal properties of polystyrene. <i>European Polymer Journal</i> , 2002, 38, 1659-1662.	2.6	47
13	ZnO-modified cellulose fiber sheets for antibody immobilization. <i>Carbohydrate Polymers</i> , 2014, 109, 139-147.	5.1	42
14	ATR-FTIR study of the interaction of CO ₂ with bacterial cellulose-based membranes. <i>Chemical Engineering Journal</i> , 2017, 324, 83-92.	6.6	42
15	Glycogen and gold nanoparticle bioconjugates: controlled plasmon resonance via glycogen-induced nanoparticle aggregation. <i>RSC Advances</i> , 2013, 3, 8705.	1.7	41
16	Thermal and dynamic mechanical properties of bio-based poly(furfuryl alcohol)/sisal whiskers nanocomposites. <i>Polymer Bulletin</i> , 2013, 70, 1265-1276.	1.7	40
17	ZnO/Ag hybrid nanocubes in alginate biopolymer: Synthesis and properties. <i>Chemical Engineering Journal</i> , 2014, 253, 341-349.	6.6	40
18	Glass transition and polymer dynamics in silver/poly(methyl methacrylate) nanocomposites. <i>European Polymer Journal</i> , 2011, 47, 1514-1525.	2.6	39

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19	Stress relaxation in hematite nanoparticles-polystyrene composites. <i>Macromolecular Rapid Communications</i> , 2000, 21, 994-997.	2.0	36
20	Composites of linear low density polyethylene and short sisal fibres: The effects of peroxide treatment. <i>Journal of Materials Science</i> , 2004, 39, 3403-3412.	1.7	36
21	Tryptophan-functionalized gold nanoparticles for deep UV imaging of microbial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 742-750.	2.5	35
22	Characterization of polystyrene filled with HgS nanoparticles. <i>Materials Letters</i> , 2004, 58, 361-364.	1.3	33
23	Viscoelastic behavior of semicrystalline polymers at elevated temperatures on the basis of a two-process model for stress relaxation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 3239-3246.	2.4	31
24	Viscoelastic properties and antimicrobial activity of cellulose fiber sheets impregnated with Ag nanoparticles. <i>Carbohydrate Polymers</i> , 2012, 90, 1139-1146.	5.1	31
25	Structural properties of composites of polyvinylidene fluoride and mechanically activated BaTiO ₃ particles. <i>Physica Scripta</i> , 2013, T157, 014006.	1.2	31
26	The high temperature secondary crystallisation of aged isotactic polypropylene. <i>Polymer Testing</i> , 2004, 23, 621-627.	2.3	28
27	Structure and properties of PbS/polyacrylamide nanocomposites. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 835-838.	1.1	28
28	The influence of hematite nano-crystals on the thermal stability of polystyrene. <i>Polymer Degradation and Stability</i> , 2006, 91, 313-316.	2.7	28
29	Inhibition of Microbial Growth by Silver/Starch Nanocomposite Thin Films. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 2343-2355.	1.9	28
30	Biopolymer-protected CdSe nanoparticles. <i>Carbohydrate Research</i> , 2009, 344, 2383-2387.	1.1	26
31	Structural and electrical properties of ferroelectric poly(vinylidene fluoride) and mechanically activated ZnO nanoparticle composite films. <i>Physica Scripta</i> , 2018, 93, 105801.	1.2	25
32	Influence of orientation and irradiation on stress relaxation of linear low-density polyethylene (LLDPE): a two-process model. <i>Polymer</i> , 1999, 40, 2631-2637.	1.8	23
33	Conduction of heat in inhomogeneous solids. <i>Applied Physics Letters</i> , 1998, 73, 321-323.	1.5	22
34	Study of Sago Starch-CdS Nanocomposite Films: Fabrication, Structure, Optical and Thermal Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 986-993.	0.9	22
35	The influence of wax content on the physical properties of low-density polyethylene-wax blends. <i>Polymer International</i> , 2003, 52, 999-1004.	1.6	21
36	Composites comprising CdS nanoparticles and poly(ethylene oxide): optical properties and influence of the nanofiller content on the thermal behaviour of the host matrix. <i>Colloid and Polymer Science</i> , 2008, 286, 683-689.	1.0	20

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37	Polychloroprene nanocomposites filled with different organically modified clays: Morphology, thermal degradation and stress relaxation behaviour. <i>Polymer Testing</i> , 2011, 30, 585-593.	2.3	20
38	Formation of nano-plate silver particles in the presence of polyampholyte copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 414, 17-25.	2.3	19
39	Recrystallization processes induced by accelerated ageing in isotactic polypropylene of different morphologies. <i>Polymer Degradation and Stability</i> , 2000, 67, 233-237.	2.7	18
40	Interfacial Charge Transfer Transitions in Colloidal TiO ₂ Nanoparticles Functionalized with Salicylic acid and 5-Aminosalicylic acid: A Comparative Photoelectron Spectroscopy and DFT Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29057-29066.	1.5	17
41	Synthesis of Y ₂ SiO ₅ :Eu ³⁺ nanoparticles from a hydrothermally prepared silica sol. <i>Journal of Alloys and Compounds</i> , 2008, 464, 357-360.	2.8	16
42	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.	2.3	15
43	Preparation and optical properties of CdS nanoparticles dispersed in poly(2-(dimethylamino)ethyl) Tj ETQq1 1 0.784314 rgBT/Overlook	1.7	14
44	A fluorescent nanoprobe for single bacterium tracking: functionalization of silver nanoparticles with tryptophan to probe the nanoparticle accumulation with single cell resolution. <i>Analyst</i> , The, 2016, 141, 1988-1996.	1.7	14
45	DSC melting behavior of drawn and gamma-irradiated low-density polyethylene. <i>Polymer Degradation and Stability</i> , 1997, 56, 227-233.	2.7	13
46	Formation and behaviour of low-temperature melting peak of quenched and annealed isotactic polypropylene. <i>Polymer International</i> , 2002, 51, 111-116.	1.6	13
47	Aerosol Synthesis and Gas-Phase Photoelectron Spectroscopy of Ag-Bi-I Nanosystems. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23930-23937.	1.5	13
48	Stress Relaxation in High Density Polyethylene. Effects of Orientation and Gamma Radiation. <i>Polymer Journal</i> , 1999, 31, 1194-1199.	1.3	11
49	Confined growth of Ag ₂ S semiconductor nanocrystals in the presence of PDMAEMA-co-AA polyampholyte co-polymer. <i>Materials Letters</i> , 2010, 64, 1123-1126.	1.3	11
50	Interaction of amino acid-functionalized silver nanoparticles and <i>Candida albicans</i> polymorphs: A deep-UV fluorescence imaging study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 341-348.	2.5	11
51	Dependence of mechanical and electrical properties of silver nanocubes impregnated bacterial cellulose-silk fibroin-polyvinyl alcohol films on light exposure. <i>Polymer Testing</i> , 2018, 71, 110-114.	2.3	11
52	Velocity Map Imaging VUV Angle-Resolved Photoemission on Isolated Nanosystems: Case of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24500-24512.	1.5	11
53	Effects of gamma irradiation on the stress relaxation of drawn ultrahigh molecular weight polyethylene. <i>Radiation Physics and Chemistry</i> , 1999, 55, 605-607.	1.4	10
54	Polystyrene-co-maleic acid/CdS nanocomposites: Preparation and properties. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 1302-1306.	1.9	10

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55	Electrical properties of a composite comprising epoxy resin and \pm -hematite nanorods. <i>Polymer</i> , 2008, 49, 4000-4008.	1.8	10
56	Photo-induced changes and contact relaxation of the surface AC-conductivity of the paper prepared from poly(ethyleneimine)- TiO_2 -anthocyanin modified cellulose fibers. <i>Cellulose</i> , 2015, 22, 779-788.	2.4	9
57	Dynamic mechanical and thermal properties of the composites of thermoplastic starch and lanthanum hydroxide nanoparticles. <i>Journal of Applied Polymer Science</i> , 2013, 127, 699-709.	1.3	7
58	Binary mixtures of polyethylene and oxidized wax: Dependency of thermal and mechanical properties upon mixing procedure. <i>Journal of Applied Polymer Science</i> , 2003, 89, 2446-2456.	1.3	6
59	Preparation and characterization of polystyrene films containing PbS nanoparticles. <i>Journal of Materials Science</i> , 2005, 40, 4407-4409.	1.7	6
60	Generation of photo charge in poly(ethyleneimine)- TiO_2 -anthocyanin modified papers conditioned at different humidities. <i>Dyes and Pigments</i> , 2018, 149, 51-58.	2.0	6
61	Fluorescence microscopy and photodielectric characterization studies of the composite films of polyvinyl alcohol and tryptophan functionalized silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 128050.	2.3	5
62	Theory of photothermal effects in thermally inhomogeneous solids with constant effusivity. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 1736-1738.	1.3	3
63	Structure and optical properties of noble metal and oxide nanoparticles dispersed in various polysaccharide biopolymers. , 2011, , .		3
64	DUV fluorescence bioimaging study of the interaction of partially reduced graphene oxide and liver cancer cells. <i>2D Materials</i> , 2018, 5, 045019.	2.0	3
65	Effect of hydrodynamic cavitation water treatment on <i>Pseudomonas aeruginosa</i> quorum-sensing molecules. <i>Environmental Science and Pollution Research</i> , 2021, 28, 26182-26186.	2.7	3
66	PS-NH ₂ + PMMA-COOH blend: A promising substrate material for the deposition of densely packed gold nanoparticles. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 85-87.	1.2	2
67	Morphology and magnetic properties of the ethylene-co-vinyl acetate/iron nanocomposite films prepared by implantation with Fe ⁶⁺ ions. <i>Applied Surface Science</i> , 2016, 378, 362-367.	3.1	2
68	Deep UV fluorescence imaging study of <i>Candida albicans</i> cells treated with gold-riboflavin hydrocolloids. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	2
69	Viscoelastic Properties of Polyethylene at Elevated Temperatures on the Basis of Two-Process Model for Stress Relaxation. <i>Materials Science Forum</i> , 2000, 352, 195-200.	0.3	1
70	Semiconductor nanoparticles in poly((2-dimethylamino)ethyl methacrylate-co-acrylic acid) co-polymers. <i>Physica Scripta</i> , 2013, T157, 014063.	1.2	1
71	Theoretical Description of the Fourier Transform of the Absolute Amplitude Spectra and Its Applications. , 0, , .		0