

Emir Baki DenkbaÅ

List of Publications by Year in descending order

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79
papers

2,345
citations

172457
29
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233421
45
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79
docs citations

79
times ranked

3666
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of novel poly-L-lysine-modified sericin-coated superparamagnetic iron oxide nanoparticles as siRNA carrier. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127622.	4.7	12
2	Potent bioactive bone cements impregnated with polystyrene-g-soybean oil-AgNPs for advanced bone tissue applications. <i>Materials Technology</i> , 2020, 35, 179-194.	3.0	16
3	The preparation of chitosan membrane improved with nanoparticles based on unsaturated fatty acid for using in cancer-related infections. <i>Journal of Bioactive and Compatible Polymers</i> , 2020, 35, 328-350.	2.1	9
4	Effect of argon plasma and Er:YAG laser on tensile bond strength between denture liner and acrylic resin. <i>Journal of Prosthetic Dentistry</i> , 2020, 124, 799.e1-799.e5.	2.8	3
5	Silencing of survivin and cyclin B1 through siRNA-loaded arginine modified calcium phosphate nanoparticles for non-small-cell lung cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111340.	5.0	18
6	Magnetically responsive, sorafenib loaded alginate microspheres for hepatocellular carcinoma treatment. <i>IET Nanobiotechnology</i> , 2020, 14, 617-622.	3.8	9
7	Designing siRNA-conjugated plant oil-based nanoparticles for gene silencing and cancer therapy. <i>Journal of Microencapsulation</i> , 2019, 36, 635-648.	2.8	5
8	Preparation and characterization of novel albumin-sericin nanoparticles as siRNA delivery vehicle for laryngeal cancer treatment. <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 659-670.	1.9	37
9	Chondrogenesis of human mesenchymal stem cells by microRNA loaded triple polysaccharide nanoparticle system. <i>Materials Science and Engineering C</i> , 2019, 102, 756-763.	7.3	13
10	Porous polyurethane film fabricated via the breath figure approach for sustained drug release. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47658.	2.6	13
11	Transscleral Delivery of Bevacizumab-Loaded Chitosan Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2019, 15, 830-838.	1.1	18
12	Experimental Exploration of Thermostable Poly (β -2-Hydroxybutyrates) by <i>Geobacillus kaustophilus</i> Using Box-Behnken Design. <i>Journal of Polymers and the Environment</i> , 2019, 27, 245-255.	5.0	11
13	Peptide nanoparticles (PNPs) modified disposable platform for sensitive electrochemical cytosensing of DLD-1 cancer cells. <i>Biosensors and Bioelectronics</i> , 2018, 104, 50-57.	10.1	34
14	Enhanced antitumor activity of epigallocatechin gallate- α -conjugated dual-drug-loaded polystyrene- α -polysoyaoil- α -diethanol amine nanoparticles for breast cancer therapy. <i>Journal of Bioactive and Compatible Polymers</i> , 2018, 33, 38-62.	2.1	13
15	Electrochemical immunoassay for detection of prostate specific antigen based on peptide nanotube-gold nanoparticle-polyaniline immobilized pencil graphite electrode. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 318-326.	9.4	73
16	A Comparative Study of Receptor-Targeted Magnetosome and HSA-Coated Iron Oxide Nanoparticles as MRI Contrast-Enhancing Agent in Animal Cancer Model. <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 91-113.	2.9	28
17	Synthesis and comparison of crosslinked peptide nanoparticles based on diphenylalanine derivatives. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45930.	2.6	3
18	Saponin loaded montmorillonite-human serum albumin nanocomposites as drug delivery system in colorectal cancer therapy. <i>Applied Clay Science</i> , 2018, 166, 214-222.	5.2	36

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19	Development of Titania Nanotube-based Electrochemical Immunosensor and Determination of Prostate Specific Antigen. <i>Analytical Sciences</i> , 2018, 34, 789-794.	1.6	6
20	Optimization of hyaluronic acid production and its cytotoxicity and degradability characteristics. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 610-618.	1.9	17
21	Comparison of protein- and polysaccharide-based nanoparticles for cancer therapy: synthesis, characterization, drug release, and interaction with a breast cancer cell line. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 193-203.	2.8	22
22	Antibacterial chitosan/silk sericin 3D porous scaffolds as a wound dressing material. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1172-1185.	2.8	72
23	Active nano/microlayer hemostatic agents for diabetic rat bleeding model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 1573-1585.	3.4	24
24	Magnetic silk fibroin e-gel scaffolds for bone tissue engineering applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2017, 32, 596-614.	2.1	24
25	The effect of thymoquinone coating on adhesive properties of polypropylene mesh. <i>BMC Surgery</i> , 2017, 17, 40.	1.3	5
26	Novel layer-by-layer self-assembled peptide nanocarriers for siRNA delivery. <i>RSC Advances</i> , 2017, 7, 47592-47601.	3.6	13
27	Synthesis and characterization of amino acid-functionalized calcium phosphate nanoparticles for siRNA delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 175-181.	5.0	30
28	<i>In vitro</i> evaluation of antisense oligonucleotide functionalized core-shell nanoparticles loaded with α -tocopherol succinate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1762-1785.	3.5	3
29	Surface-modified bacterial nanofibrillar PHB scaffolds for bladder tissue repair. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 74-82.	2.8	14
30	Evaluation of biocompatibility of random or aligned electrospun polyhydroxybutyrate scaffolds combined with human mesenchymal stem cells. <i>Turkish Journal of Biology</i> , 2016, 40, 410-419.	0.8	13
31	Applications of Hydrogels in 3D Functional Tissue Models. , 2016, , 87-110.		0
32	Hydrogels in Intervertebral Disk (IVD) Repair. , 2016, , 199-213.		0
33	Concanavaline A conjugated bacterial polyester-based PHBHHx nanoparticles loaded with curcumin for breast cancer therapy. <i>Journal of Microencapsulation</i> , 2016, 33, 274-285.	2.8	17
34	Electrospun nanofiber reinforcement of dental composites with electromagnetic alignment approach. <i>Materials Science and Engineering C</i> , 2016, 62, 762-770.	7.3	37
35	Calcified and mechanically debilitated three-dimensional hydrogel environment induces hypertrophic trend in chondrocytes. <i>Journal of Bioactive and Compatible Polymers</i> , 2016, 31, 498-512.	2.1	1
36	Hemostatic activities of nano/microporous bilayer dressings in a femoral artery bleeding rat model. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	12

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37	The effect of calcium chloride concentration on alginate/Fmoc-diphenylalanine hydrogel networks. <i>Materials Science and Engineering C</i> , 2016, 66, 221-229.	7.3	48
38	Design of Xylose-Based Semisynthetic Polyurethane Tissue Adhesives with Enhanced Bioactivity Properties. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4456-4466.	8.0	46
39	Antisense oligonucleotide delivery to cancer cell lines for the treatment of different cancer types. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1938-1948.	2.8	12
40	Chlorogenic Acid Containing Bioinspired Polyurethanes: Biodegradable Medical Adhesive Materials. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 611-619.	3.4	15
41	Silk fibroin/nylon-6 blend nanofilter matrix for copper removal from aqueous solution. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 921-934.	4.1	14
42	Preparation and In Vitro/In Vivo Evaluation of Cyclosporin A-Loaded Nanodecorated Ocular Implants for Subconjunctival Application. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1709-1720.	3.3	33
43	Therapeutic potential of inhibiting ABCE1 and eRF3 genes via siRNA strategy using chitosan nanoparticles in breast cancer cells. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	7
44	Downregulation of ABCE1 via siRNA affects the sensitivity of A549 cells against chemotherapeutic agents. <i>Medical Oncology</i> , 2015, 32, 103.	2.5	18
45	Aligned bacterial PHBV nanofibrous conduit for peripheral nerve regeneration. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2015, 43, 243-251.	2.8	10
46	Polyhydroxybutyrate and hydroxyvalerate production by <i>Bacillus megaterium</i> strain A1 isolated from hydrocarbon-contaminated soil. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	8
47	Titania nanotubes with adjustable dimensions for drug reservoir sites and enhanced cell adhesion. <i>Materials Science and Engineering C</i> , 2014, 35, 100-105.	7.3	72
48	Photocatalytic performance of melt-electrospun polypropylene fabric decorated with TiO ₂ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	14
49	Functionally modified, melt-electrospun thermoplastic polyurethane mats for wound dressing applications. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	27
50	Disposable pencil graphite electrode modified with peptide nanotubes for Vitamin B12 analysis. <i>Applied Surface Science</i> , 2014, 303, 37-45.	6.1	48
51	Osteoblast response on co-modified titanium surfaces via anodization and electrospinning. <i>Applied Surface Science</i> , 2014, 288, 143-148.	6.1	24
52	Plasma polymerization-modified bacterial polyhydroxybutyrate nanofibrillar scaffolds. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1904-1912.	2.6	7
53	Investigation of temperature sensitivity behaviors of water soluble polyacrylamides. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4374-4384.	2.6	8
54	Preparation and Characterization of Magnetically Responsive Bacterial Polyester Based Nanospheres for Cancer Therapy. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 800-808.	1.1	37

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55	Release of Magnetic Nanoparticles from Cell-Encapsulating Biodegradable Nanobiomaterials. ACS Nano, 2012, 6, 6640-6649.	14.6	74
56	Preparation and characterization of magnetically responsive bacterial polyester based nanospheres for cancer therapy. Journal of Biomedical Nanotechnology, 2012, 8, 800-8.	1.1	5
57	Fabrication of Biomaterials via Controlled Protein Bubble Generation and Manipulation. Biomacromolecules, 2011, 12, 4291-4300.	5.4	34
58	Preparation and characterization of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHX) based nanoparticles for targeted cancer therapy. European Journal of Pharmaceutical Sciences, 2011, 44, 310-320.	4.0	87
59	Oxidative Stress Parameters of L929 Cells Cultured on Plasma-Modified PDLLA Scaffolds. Applied Biochemistry and Biotechnology, 2011, 164, 780-792.	2.9	16
60	Acetylsalicylic acid loading and release studies of the PMMA-polymeric oils/oily acids micro and nanospheres. Journal of Applied Polymer Science, 2011, 119, 1610-1618.	2.6	12
61	Carbon nanotube-chitosan modified disposable pencil graphite electrode for Vitamin B12 analysis. Colloids and Surfaces B: Biointerfaces, 2011, 87, 18-22.	5.0	66
62	The use of polyethyleneglycolmethacrylate-co-vinylimidazole (PEGMA-co-VI) microspheres for the removal of nickel(II) and chromium(VI) ions. Journal of Hazardous Materials, 2010, 177, 119-125.	12.4	64
63	Preparation and physical/electrochemical characterization of carbon nanotube-chitosan modified pencil graphite electrode. Applied Surface Science, 2010, 257, 622-627.	6.1	30
64	Bleomycin Loaded Magnetic Chitosan Nanoparticles as Multifunctional Nanocarriers. Journal of Bioactive and Compatible Polymers, 2010, 25, 305-318.	2.1	55
65	Preparation and characterization of papaverine-loaded poly[(r)-3-hydroxybutyrate] membranes to be used in the prevention of vasospasm. PDA Journal of Pharmaceutical Science and Technology, 2010, 64, 316-26.	0.5	0
66	Preparation and characterization of polyethyleneglycolmethacrylate (PEGMA)-co-vinylimidazole (VI) microspheres to use in heavy metal removal. Journal of Hazardous Materials, 2009, 162, 1073-1080.	12.4	42
67	Preparation and Characterization of Triamcinolone Acetonide-loaded Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHx) Microspheres. Journal of Bioactive and Compatible Polymers, 2008, 23, 334-347.	2.1	25
68	Inhibition of Staphylococcus Epidermidis Colonization with Fusidic Acid-Impregnated Catheters. Journal of Bioactive and Compatible Polymers, 2007, 22, 160-173.	2.1	4
69	Perspectives on: Chitosan Drug Delivery Systems Based on their Geometries. Journal of Bioactive and Compatible Polymers, 2006, 21, 351-368.	2.1	135
70	Gold and Gold-Palladium Coated Polypropylene Grafts in a S. epidermidis Wound Infection Model. Journal of Surgical Research, 2006, 131, 73-79.	1.6	37
71	Preparation and characterization of ciprofloxacin-loaded alginate/chitosan sponge as a wound dressing material. Journal of Applied Polymer Science, 2006, 101, 1602-1609.	2.6	59
72	Preparation and characterization of Mitomycin-C loaded chitosan-coated alginate microspheres for chemoembolization. Journal of Microencapsulation, 2005, 22, 167-178.	2.8	31

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73	RNA-sensitive N-isopropylacrylamide/vinylphenylboronic acid random copolymer. Macromolecular Bioscience, 2002, 2, 214.	4.1	51
74	Human serum albumin (HSA) adsorption with chitosan microspheres. Journal of Applied Polymer Science, 2002, 86, 3035-3039.	2.6	28
75	Magnetic chitosan microspheres: preparation and characterization. Reactive and Functional Polymers, 2002, 50, 225-232.	4.1	229
76	Design and evaluation of a mucoadhesive therapeutic agent delivery system for postoperative chemotherapy in superficial bladder cancer. International Journal of Pharmaceutics, 2002, 235, 51-59.	5.2	36
77	Interaction of Cultured Chondrocytes with Chitosan Scaffold. Journal of Bioactive and Compatible Polymers, 2001, 16, 136-144.	2.1	19
78	Chitosan microspheres and sponges: Preparation and characterization. Journal of Applied Polymer Science, 2000, 76, 1637-1643.	2.6	96
79	Chitosan microspheres and sponges: Preparation and characterization. Journal of Applied Polymer Science, 2000, 76, 1637.	2.6	1