

Serkan Demirci

List of Publications by Year in descending order

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40
papers

1,054
citations

471509

17
h-index

414414

32
g-index

40
all docs

40
docs citations

40
times ranked

1641
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly(ethylene oxide) and its blends with sodium alginate. <i>Polymer</i> , 2005, 46, 10750-10757.	3.8	195
2	Cyclodextrin-grafted electrospun cellulose acetate nanofibers via "Click" reaction for removal of phenanthrene. <i>Applied Surface Science</i> , 2014, 305, 581-588.	6.1	113
3	pH-responsive nanofibers with controlled drug release properties. <i>Polymer Chemistry</i> , 2014, 5, 2050-2056.	3.9	71
4	Surface modification of electrospun cellulose acetate nanofibers via RAFT polymerization for DNA adsorption. <i>Carbohydrate Polymers</i> , 2014, 113, 200-207.	10.2	67
5	Preparation and Characterization of Blend Films of Poly(Vinyl Alcohol) and Sodium Alginate. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1113-1121.	2.2	58
6	Synthesis of thermoresponsive poly(N-isopropylacrylamide) brush on silicon wafer surface via atom transfer radical polymerization. <i>Thin Solid Films</i> , 2010, 518, 5950-5954.	1.8	42
7	Morphology evolution of Janus dumbbell nanoparticles in seeded emulsion polymerization. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 34-42.	9.4	39
8	Synthesis of cationic N-(3-(dimethylamino)propyl)methacrylamide brushes on silicon wafer via surface-initiated RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2011, 49, 423-431.	2.3	37
9	Preparation, characterization and surface pKa values of poly(N-vinyl-2-pyrrolidone)/chitosan blend films. <i>Applied Surface Science</i> , 2009, 255, 5979-5983.	6.1	36
10	A switchable polymer brush system for antifouling and controlled detection. <i>Chemical Communications</i> , 2017, 53, 3713-3716.	4.1	32
11	Thermal, Spectroscopic, and Mechanical Properties of Blend Films of Poly(N-Vinyl-2-Pyrrolidone) and Sodium Alginate. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 737-741.	1.9	29
12	Thermo- and pH-induced phase transitions and network parameters of poly(N-isopropylacrylamide) brushes. <i>Polymer Physics</i> , 2008, 46, 1713-1724.	2.1	26
13	Preparation and characterization of poly(N-tert-butylacrylamide-co-acrylamide) ferrogel. <i>Journal of Applied Polymer Science</i> , 2009, 112, 800-804.	2.6	25
14	Temperature-responsive characteristics of poly(N-isopropylacrylamide) hydrogels with macroporous structure. <i>Polymer International</i> , 2007, 56, 275-282.	3.1	21
15	DFT, FT-IR, FT-Raman and NMR studies of 4-(substituted phenylazo)-3,5-diacetamido-1H-pyrazoles. <i>Journal of Molecular Structure</i> , 2011, 993, 254-258.	3.6	21
16	RAFT-mediated synthesis of cationic poly[(ar-vinylbenzyl)trimethylammonium chloride] brushes for quantitative DNA immobilization. <i>Materials Science and Engineering C</i> , 2013, 33, 111-120.	7.3	20
17	High density cationic polymer brushes from combined "click chemistry" and RAFT-mediated polymerization. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2999-3007.	2.3	19
18	Novel pH-responsive mixed charge copolymer brushes based on carboxylic acid and quaternary amine monomers. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1612-1619.	2.3	19

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19	Stimuli-responsive diblock copolymer brushes via combination of click chemistry and living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2677-2685.	2.3	19
20	Controlled grafting of cationic poly[(ar-vinylbenzyl)trimethylammonium chloride] on hydrogen-terminated silicon substrate by surface-initiated RAFT polymerization. <i>Reactive and Functional Polymers</i> , 2012, 72, 588-595.	4.1	18
21	A new selenium-based RAFT agent for surface-initiated RAFT polymerization of 4-vinylpyridine. <i>Polymer</i> , 2013, 54, 5345-5350.	3.8	18
22	Surface properties of binary blend films of poly(N-vinyl-2-pyrrolidone) and poly(vinyl alcohol) with sodium alginate. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 426-430.	2.1	15
23	Preparation of polyacrylamide hydrogels at various charge densities by postmodification. <i>Journal of Applied Polymer Science</i> , 2009, 111, 108-113.	2.6	14
24	Preparation of amidoximated poly(glycidyl methacrylate) microbeads. <i>Polymer International</i> , 2011, 60, 141-145.	3.1	13
25	Synthesis, structure characterization and antimicrobial evaluation of 4-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Spectroscopy, 2013, 106, 12-18.	3.9	12
26	Preparation of macroporous poly(acrylamide) hydrogels by radiation induced polymerization technique. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 265, 366-369.	1.4	10
27	A new type of poly(glycidyl methacrylate) microbeads with surface grafted iminodiacetic acid: Synthesis and characterization. <i>Polymer Bulletin</i> , 2008, 61, 311-318.	3.3	10
28	Controlled Supramolecular Complexation of Cyclodextrin-Functionalized Polymeric Ionic Liquid Brushes. <i>ACS Applied Polymer Materials</i> , 2020, 2, 751-757.	4.4	10
29	Determination of pK a of benzoic acid- and p-aminobenzoic acid-modified platinum surfaces by electrochemical and contact angle measurements. <i>Chemical Papers</i> , 2012, 66, .	2.2	9
30	Formation of dicarboxylic acid-terminated monolayers on silicon wafer surface. <i>Surface Science</i> , 2010, 604, 649-653.	1.9	8
31	Preparation, characterization, and surface energetics of hydroxypropyl cellulose/polyethylenimine blends. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2751-2754.	2.6	6
32	Crosslinked-Polymer Brushes with Switchable Capture and Release Capabilities. <i>Polymers</i> , 2018, 10, 956.	4.5	6
33	Surface-Grafted Polymeric Ionic Liquids with Tunable Morphology via <i>In Situ</i> Cross-linking Methods. <i>ACS Macro Letters</i> , 2020, 9, 1806-1811.	4.8	5
34	Annealing effect on surface segregation behavior of hydroxypropylcellulose/polyethylenimine blend films. <i>Applied Surface Science</i> , 2009, 255, 7703-7707.	6.1	3
35	Adenine Derivatives for Regenerable Antibacterial Surface Applications Based on A-T Base Pairing. <i>ChemistrySelect</i> , 2020, 5, 10128-10134.	1.5	3
36	Antibacterial Activity of Cyclodextrin-Azo Dye Inclusion Complex Encapsulated Electrospun Polycaprolactone Nanofibers. <i>ChemistrySelect</i> , 2021, 6, 10440-10446.	1.5	3

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37	Surface chemical conversion of 3-glycidoxypropyldimethylethoxysilane on hydroxylated silicon surface: FT-IR, contact angle and ellipsometry analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 99, 144-149.	3.9	2
38	Swelling and durability performance of surface-grafted polymer brushes and brush gels. <i>Organic Communications</i> , 2021, 14, 73-80.	0.8	0
39	Brushes, <i>Polymer: Biomaterial Applications.</i> , 0, , 1214-1224.		0
40	Catechol Derivative RAFT Agent for Surface Functionalization of Magnetic Nanoparticles. <i>Celal Bayar Universitesi Fen Bilimleri Dergisi</i> , 0, , .	0.5	0