

# Sultan Butun Sengel

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,015  
citations

394421

19  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1331  
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step fabrication of biocompatible carboxymethyl cellulose polymeric particles for drug delivery systems. <i>Carbohydrate Polymers</i> , 2011, 86, 636-643.	10.2	112
2	A versatile hydrogel template for metal nano particle preparation and their use in catalysis. <i>Polymer</i> , 2011, 52, 4834-4840.	3.8	95
3	Environmentally benign halloysite clay nanotubes as alternative catalyst to metal nanoparticles in H <sub>2</sub> production from methanolysis of sodium borohydride. <i>Fuel Processing Technology</i> , 2017, 158, 1-8.	7.2	71
4	Utilization of Smart Hydrogel-Metal Composites as Catalysis Media. <i>Journal of Colloid and Interface Science</i> , 2012, 373, 122-128.	9.4	68
5	Hyaluronic acid hydrogel particles with tunable charges as potential drug delivery devices. <i>Carbohydrate Polymers</i> , 2011, 84, 1306-1313.	10.2	60
6	Quaternized polymeric microgels as metal free catalyst for H <sub>2</sub> production from the methanolysis of sodium borohydride. <i>Journal of Power Sources</i> , 2016, 336, 27-34.	7.8	60
7	Novel hydrogel particles and their IPN films as drug delivery systems with antibacterial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 248-253.	5.0	54
8	Various amine functionalized halloysite nanotube as efficient metal free catalysts for H <sub>2</sub> generation from sodium borohydride methanolysis. <i>Applied Clay Science</i> , 2017, 146, 517-525.	5.2	53
9	Modifiable chemically crosslinked poly( $\kappa$ -carrageenan) particles. <i>Carbohydrate Polymers</i> , 2012, 87, 2718-2724.	10.2	47
10	p(AAGA) hydrogel reactor for in situ Co and Ni nanoparticle preparation and use in hydrogen generation from the hydrolysis of sodium borohydride. <i>Chemical Engineering Science</i> , 2012, 82, 114-120.	3.8	38
11	Soft hydrogels for dual use: Template for metal nanoparticle synthesis and a reactor in the reduction of nitrophenols. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 758-764.	3.1	38
12	Hydrogel particles with core shell morphology for versatile applications: Environmental, biomedical and catalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 386, 16-24.	4.7	32
13	Hydrogel templated CdS quantum dots synthesis and their characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 389, 6-11.	4.7	29
14	Porous and modified HA particles as potential drug delivery systems. <i>Microporous and Mesoporous Materials</i> , 2012, 155, 124-130.	4.4	29
15	Poly(vinyl phosphonic acid) nanogels with tailored properties and their use for biomedical and environmental applications. <i>European Polymer Journal</i> , 2016, 75, 264-275.	5.4	29
16	Responsive biopolymer-based microgels/nanogels for drug delivery applications. , 2018, , 453-500.		26
17	A facile preparation of donut-like supramolecular tannic acid-Fe(III) composite as biomaterials with magnetic, conductive, and antioxidant properties. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3619-3632.	2.2	25
18	Halloysite-carboxymethyl cellulose cryogel composite from natural sources. <i>Applied Clay Science</i> , 2017, 140, 66-74.	5.2	23

#	ARTICLE	IF	CITATIONS
19	Micelles and "reverse micelles"™ with a novel water-soluble diblock copolymer. <i>Polymer</i> , 2008, 49, 4057-4065.	3.8	21
20	Soft hydrogel particles with high functional value. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 381, 74-84.	4.7	21
21	Removal of arsenate and dichromate ions from different aqueous media by amine based p(TAEA-co-GDE) microgels. <i>Journal of Environmental Management</i> , 2017, 197, 631-641.	7.8	16
22	Tannic acid decorated poly(methacrylic acid) micro and nanoparticles with controllable tannic acid release and antioxidant properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 508, 30-38.	4.7	13
23	Highly regenerable ionic liquid microgels as inherently metal-free green catalyst for H <sub>2</sub> generation. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1426-1434.	3.2	13
24	Reusable Soft Hydrogels for Gold Recovery from Acidic Environments. <i>Separation Science and Technology</i> , 2013, 48, 805-812.	2.5	9
25	Tunable Friction Through Stimuli Responsive Hybrid Carbon Microspheres. <i>Langmuir</i> , 2019, 35, 15849-15854.	3.5	8
26	Synthesis and characterization of poly(N-(2-mercaptoethyl) acrylamide) microgel for biomedical applications. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2109-2121.	3.2	8
27	Surfactant free synthesis and characterization of poly(vinyl carbazole) microgel and its chemical modifications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 514, 243-250.	4.7	5
28	Boric acid versus boron trioxide as catalysts for green energy source H <sub>2</sub> production from sodium borohydride methanolysis. <i>MANAS: Journal of Engineering</i> , 2021, 9, 142-152.	0.8	5
29	Poly((Thiazol-2-yl) acrylamide), p(ATA) microgel: Synthesis, characterization and versatile applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 272-278.	4.7	4
30	0D, 1D, 2D, and 3D Soft and Hard Templates for Catalysis. <i>Studies in Surface Science and Catalysis</i> , 2017, , 317-357.	1.5	2
31	SiO <sub>2</sub> PARTICLE EMBEDDED SILICA AEROGELS: ENVIRONMENTAL AND ENERGY APPLICATIONS. <i>Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering</i> , 0, , .	0.8	1
32	Functionalization of Carbon Particles by Atom Transfer Radical Polymerization. <i>MRS Advances</i> , 2017, 2, 2537-2544.	0.9	0