

# Vural Butun

## List of Publications by Year in descending order

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90  
papers

5,024  
citations

147726

31  
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88593

70  
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93  
all docs

93  
docs citations

93  
times ranked

4443  
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-Responsive polymers. <i>Polymer Chemistry</i> , 2017, 8, 144-176.	1.9	801
2	Synthesis and aqueous solution properties of near-monodisperse tertiary amine methacrylate homopolymers and diblock copolymers. <i>Polymer</i> , 2001, 42, 5993-6008.	1.8	575
3	Characterizing the Structure of pH Dependent Polyelectrolyte Block Copolymer Micelles. <i>Macromolecules</i> , 1999, 32, 4302-4310.	2.2	269
4	Synthesis of Zwitterionic Shell Cross-Linked Micelles. <i>Journal of the American Chemical Society</i> , 1999, 121, 4288-4289.	6.6	245
5	A brief review of "schizophrenic" block copolymers. <i>Reactive and Functional Polymers</i> , 2006, 66, 157-165.	2.0	230
6	Synthesis of Shell Cross-Linked Micelles with Tunable Hydrophilic/Hydrophobic Cores. <i>Journal of the American Chemical Society</i> , 1998, 120, 12135-12136.	6.6	228
7	Unusual Aggregation Behavior of a Novel Tertiary Amine Methacrylate-Based Diblock Copolymer: Formation of Micelles and Reverse Micelles in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 1998, 120, 11818-11819.	6.6	225
8	Structure of pH-Dependent Block Copolymer Micelles: Charge and Ionic Strength Dependence. <i>Macromolecules</i> , 2002, 35, 8540-8551.	2.2	191
9	Synthesis of Shell Cross-Linked Micelles at High Solids in Aqueous Media. <i>Macromolecules</i> , 2000, 33, 1-3.	2.2	173
10	Synthesis and aqueous solution properties of a well-defined thermo-responsive schizophrenic diblock copolymer. <i>Chemical Communications</i> , 2002, , 2122-2123.	2.2	163
11	Selective Quaternization of 2-(Dimethylamino)ethyl Methacrylate Residues in Tertiary Amine Methacrylate Diblock Copolymers. <i>Macromolecules</i> , 2001, 34, 1148-1159.	2.2	158
12	Synthesis of branched poly(methyl methacrylate)s via controlled/living polymerisations exploiting ethylene glycol dimethacrylate as branching agent. <i>Chemical Communications</i> , 2004, , 1138-1139.	2.2	155
13	Synthesis and aqueous solution properties of novel hydrophilic-hydrophilic block copolymers based on tertiary amine methacrylates. <i>Chemical Communications</i> , 1997, , 671-672.	2.2	116
14	The Remarkable "Flip-Flop" Self-Assembly of a Diblock Copolymer in Aqueous Solution. <i>Macromolecules</i> , 2001, 34, 1503-1511.	2.2	104
15	Selective betainisation of tertiary amine methacrylate block copolymers. <i>Journal of Materials Chemistry</i> , 1997, 7, 1693-1695.	6.7	72
16	Self-Organized Monolayer Films of Stimulus-Responsive Micelles. <i>Nano Letters</i> , 2002, 2, 1307-1313.	4.5	72
17	Effect of Partial Quaternization on the Aqueous Solution Properties of Tertiary Amine-Based Polymeric Surfactants: Unexpected Separation of Surface Activity and Cloud Point Behavior. <i>Macromolecules</i> , 2001, 34, 6839-6841.	2.2	71
18	Layer-by-Layer Formation of Smart Particle Coatings Using Oppositely Charged Block Copolymer Micelles. <i>Advanced Materials</i> , 2007, 19, 247-250.	11.1	67

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19	Use of oxyanion-initiated polymerization for the synthesis of amine methacrylate-based homopolymers and block copolymers. <i>Polymer</i> , 2001, 42, 29-37.	1.8	61
20	Synthesis and physical gels of pH- and thermo-responsive tertiary amine methacrylate based ABA triblock copolymers and drug release studies. <i>Polymer</i> , 2010, 51, 3618-3626.	1.8	57
21	Synthesis and Characterization of Novel $\alpha$ -Schizophrenic Water-Soluble Triblock Copolymers and Shell Cross-Linked Micelles. <i>Macromolecules</i> , 2006, 39, 1216-1225.	2.2	56
22	Synthesis and aqueous solution properties of novel neutral/acidic block copolymers. <i>Polymer</i> , 2000, 41, 3173-3182.	1.8	52
23	Synthesis and Characterization of Branched Water-Soluble Homopolymers and Diblock Copolymers Using Group Transfer Polymerization. <i>Macromolecules</i> , 2005, 38, 4977-4982.	2.2	52
24	Effect of the molecular weight and structure of some novel water-soluble triblock copolymers on the electrochemical behaviour of mild steel. <i>Materials Chemistry and Physics</i> , 2007, 105, 114-121.	2.0	48
25	Characterizing the pH-Responsive Behavior of Thin Films of Diblock Copolymer Micelles at the Silica/Aqueous Solution Interface. <i>Langmuir</i> , 2006, 22, 8435-8442.	1.6	42
26	pH-Controlled Adsorption of Polyelectrolyte Diblock Copolymers at the Solid/Liquid Interface. <i>Langmuir</i> , 2000, 16, 5980-5986.	1.6	38
27	pH-Responsive Diblock Copolymer Micelles at the Silica/Aqueous Solution Interface: Adsorption Kinetics and Equilibrium Studies. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14744-14753.	1.2	37
28	Selective betainization of 2-(dimethylamino)ethyl methacrylate residues in tertiary amine methacrylate diblock copolymers and their aqueous solution properties. <i>Polymer</i> , 2003, 44, 7321-7334.	1.8	36
29	Comparison of the Adsorption of Cationic Diblock Copolymer Micelles from Aqueous Solution onto Mica and Silica. <i>Langmuir</i> , 2006, 22, 5328-5333.	1.6	36
30	Bacterial anti-adhesive and pH-induced antibacterial agent releasing ultra-thin films of zwitterionic copolymer micelles. <i>Acta Biomaterialia</i> , 2016, 40, 293-309.	4.1	34
31	Characterization of Layer-by-Layer Self-Assembled Multilayer Films of Diblock Copolymer Micelles. <i>Langmuir</i> , 2008, 24, 116-123.	1.6	33
32	Hydrogen-bonded multilayers of micelles of a dually responsive dicationic block copolymer. <i>Soft Matter</i> , 2012, 8, 827-836.	1.2	24
33	pH-responsive behavior of selectively quaternized diblock copolymers adsorbed at the silica/aqueous solution interface. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 381-388.	5.0	22
34	Thermodynamic interactions of water-soluble homopolymers and double-hydrophilic diblock copolymer. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 353-361.	1.0	22
35	Micelles and "reverse micelles" with a novel water-soluble diblock copolymer. <i>Polymer</i> , 2008, 49, 4057-4065.	1.8	21
36	GC Investigation of the Solubility Parameters of Water-Soluble Homopolymers and Double-Hydrophilic Diblock Copolymers. <i>Chromatographia</i> , 2008, 67, 741-747.	0.7	21

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37	pH-responsive layer-by-layer films of zwitterionic block copolymer micelles. <i>Polymer Chemistry</i> , 2014, 5, 3777-3787.	1.9	20
38	Novel Multiresponsive Microgels: Synthesis and Characterization Studies. <i>Langmuir</i> , 2011, 27, 12657-12665.	1.6	18
39	An effective fluorescent optical sensor: Thiazolo-thiazole based dye exhibiting anion/cation sensitivities and acidochromism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 419, 113456.	2.0	18
40	Optimization of hyaluronic acid production and its cytotoxicity and degradability characteristics. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 610-618.	1.0	17
41	Synthesis of quaternary piperazine methacrylate homopolymers and their antibiofilm and anti-quorum sensing effects on pathogenic bacteria. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50466.	1.3	16
42	Tertiary Amine Methacrylate-Based ABC Triblock Copolymers: Synthesis, Characterization, and Self-Assembly in both Aqueous and Nonaqueous Media. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1115-1128.	1.1	15
43	Biologically Functional Ultrathin Films Made of Zwitterionic Block Copolymer Micelles. <i>Langmuir</i> , 2019, 35, 1156-1171.	1.6	15
44	Modification of glycidyl methacrylate based block copolymers and their aqueous solution behaviours. <i>European Polymer Journal</i> , 2019, 110, 364-377.	2.6	15
45	Surface characteristics of 2-(diethylamino) ethyl methacrylate-2-(dimethylamino) ethyl methacrylate diblock copolymer determined by inverse gas chromatography. <i>Surface and Interface Analysis</i> , 2006, 38, 561-564.	0.8	14
46	Effects of copolymer concentration and chain length on the pH-responsive behavior of diblock copolymer micellar films. <i>Journal of Colloid and Interface Science</i> , 2006, 303, 372-379.	5.0	14
47	Bacterial anti-adhesive properties of a monolayer of zwitterionic block copolymer micelles. <i>Materials Science and Engineering C</i> , 2014, 41, 354-362.	3.8	14
48	Multiresponsive microgel of a water-soluble monomer via emulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	14
49	The synthesis and solution behaviors of novel amphiphilic block copolymers based on d-galactopyranose and 2-(dimethylamino)ethyl methacrylate. <i>European Polymer Journal</i> , 2013, 49, 4118-4129.	2.6	13
50	Synthesis and stabilization of Pt nanoparticles in core cross-linked micelles prepared from an amphiphilic diblock copolymer. <i>Colloid and Polymer Science</i> , 2015, 293, 3563-3572.	1.0	13
51	Preparation of Cross-Linked Micelles from Glycidyl Methacrylate Based Block Copolymers and Their Usages as Nanoreactors in the Preparation of Gold Nanoparticles. <i>Journal of Polymer Science Part A</i> , 2018, 56, 514-526.	2.5	13
52	Antimicrobial and anti-quorum-sensing properties and paint film usage of novel diazaborine-based copolymers. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46907.	1.3	13
53	Thiazolo thiazole based cross-linker to prepare highly fluorescent smart films with tunable emission wavelength and their multi-responsive usage. <i>European Polymer Journal</i> , 2021, 159, 110759.	2.6	11
54	An antibacterial composite system based on multi-responsive microgels hosting monodisperse gold nanoparticles. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	10

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55	Superparamagnetic latex synthesized by a new route of emulsifier-free emulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2264-2272.	1.3	9
56	Micellization behavior of tertiary amine-methacrylate-based block copolymers characterized by small-angle X-ray scattering and dynamic light scattering. <i>Materials Chemistry and Physics</i> , 2013, 138, 559-564.	2.0	9
57	Antibacterial poly{(4-vinyl phenylboronic acid)-[2-(dimethylamino)ethyl methacrylate]} copolymers and their application in water-based paints. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46245.	1.3	9
58	Advanced liposome based PEGylated microgel as a novel release system for 5-fluorouracil against MCF-7 cancer cell. <i>European Polymer Journal</i> , 2021, 146, 110270.	2.6	9
59	Novel zwitterionic ABA-type triblock copolymer for pH- and salt-controlled release of risperidone. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 151-161.	1.8	8
60	Interaction between a tertiary amine methacrylate based polyelectrolyte and a sodium montmorillonite dispersion and its rheological and colloidal properties. <i>Journal of Applied Polymer Science</i> , 2005, 95, 300-306.	1.3	7
61	Highly cross-linked soluble star copolymers with well controlled molecular weights. <i>European Polymer Journal</i> , 2015, 67, 292-303.	2.6	7
62	An Optical Vapor Sensor Based on Amphiphilic Block Copolymer Langmuir-Blodgett Films. <i>IEEE Sensors Journal</i> , 2018, 18, 5313-5320.	2.4	7
63	Preparation of monometallic and bimetallic alloy nanoparticles stabilized with sulfobetaine-based block copolymer and their catalytic activities. <i>Colloid and Polymer Science</i> , 2019, 297, 1067-1078.	1.0	7
64	Characterization of PDPA- <i>b</i> -PDMA- <i>b</i> -PDPA triblock copolymer Langmuir-Blodgett films for organic vapor sensing application. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 634, 104-117.	0.4	6
65	Optimization of a biosurfactant production from bacteria isolated from soil and characterization of the surfactant / Topraktan izole edilen bakterilerden biyosurfaktan $\frac{1}{4}$ retiminin optimizasyonu ve surfaktanın karakterizasyonu. <i>Turkish Journal of Biochemistry</i> , 2016, 41, 338-346.	0.3	6
66	Production of LMWH-conjugated core/shell hydrogels encapsulating paclitaxel for transdermal delivery: In vitro and in vivo assessment. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 610-620.	3.6	6
67	Fluorescent poly(methacryloxy quinolin) microparticles allowing simultaneous gold detection with additive-free photocatalytic synthesis of raspberry-like gold nanoparticles and gold nanoparticle decorated microparticles. <i>European Polymer Journal</i> , 2020, 129, 109623.	2.6	6
68	Structural characterization of a variety of spider silks from Turkey using different biophysical techniques. <i>Spectroscopy</i> , 2011, 25, 155-167.	0.8	5
69	Use of Sulfobetaine-Based Block Copolymer as Stabilizer in Silver Nanoparticle Production and Catalytic Activity Studies. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2521-2529.	0.9	5
70	Synthesis of Novel Shell Cross-Linked Micelles with Hydrophilic Cores. <i>ACS Symposium Series</i> , 2000, , 115-139.	0.5	4
71	Effect of DMA-MMA diblock copolymer on the properties of Portland and composite cement. <i>Cement and Concrete Composites</i> , 2008, 30, 334-346.	4.6	4
72	Preparation of Responsive Zwitterionic Diblock Copolymers Containing Phosphate and Phosphonate Groups. <i>Macromolecular Research</i> , 2020, 28, 1134-1141.	1.0	4

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73	Au/Pt Bimetallic Nanoparticle Decorated Microparticle Hybrid Catalyst System for Heterogeneous Hydrogenation of Styrene. <i>Catalysis Letters</i> , 2021, 151, 3656-3663.	1.4	4
74	Production of $\langle \text{NiO} \rangle$ , $\langle \text{NiO} \rangle/\text{Ag}$ , $\langle \text{NiO} \rangle/\text{Au}$ , and $\langle \text{NiO} \rangle/\text{Pt}$ hollow spheres by using block copolymer stabilized microspheres as a template. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51299.	1.3	4
75	A New Approach for the Synthesis of pH-Responsive Cross-Linked Micelles from a Poly(glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlo 2744-2754.	1.1	3
76	Preparation of Layer-by-Layer Films with Remarkably Different pH-Stability and Release Properties Using Dual Responsive Block Copolymer Micelles. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800128.	1.1	3
77	Synthesis and Antibacterial Activities of Boronic Acid-Based Recyclable Spherical Polymer Brushes. <i>Macromolecular Research</i> , 2019, 27, 640-648.	1.0	3
78	In-situ formation of fluorophore cross-linked micellar thick films and usage as drug delivery material for Propranolol HCl. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 279, 121452.	2.0	3
79	Thiazolo[5, 4-d]thiazole based dye modified microspheres as metal nanoparticle reactor template and hybrid catalyst. <i>European Polymer Journal</i> , 2022, 175, 111391.	2.6	3
80	Structural and optical properties of CdS nanocrystals grown in water-soluble diblock copolymer. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 423-426.	0.8	2
81	Synthesis and characterization of water-insoluble statistical copolymer and its application in the development of electrochemical DNA sensor. <i>Talanta</i> , 2012, 100, 270-275.	2.9	2
82	Self-assembled and Nanostructured Copolymer Aggregations of the Tertiary Amine Methacrylate Based Triblock Copolymers. <i>Analytical Letters</i> , 2015, 48, 2693-2707.	1.0	2
83	Modified kaolinites-polyalkyl methacrylate nanocomposites: Exploring relations between solubility parameters and thermal properties for <i>in situ</i> solution polymerization. <i>Polymer Composites</i> , 2016, 37, 2333-2341.	2.3	2
84	Tertiary Amine Methacrylate based Polymers as Corrosion Inhibitors in Double Distilled Water. Part I. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019, 55, 951-962.	0.3	2
85	Effect of Poly(Methyl Vinyl Ether-comaleic Anhydride) Copolymer on Bond Strength of Experimental Dental Adhesive. <i>Meandros Medical and Dental Journal</i> , 2019, 20, 106-113.	0.1	2
86	Tertiary Amine Methacrylate based Polymers as Corrosion Inhibitors in HCl Solution. Part II. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019, 55, 963-972.	0.3	1
87	Influence of Non-Ionic and Cationic Polymer on the Rheological and Colloidal Properties of Montmorillonite Dispersions. <i>Key Engineering Materials</i> , 2004, 264-268, 1447-1450.	0.4	0
88	Structural characterization and developing a suitable SAXS model of diblock(DEAEMAn-DMAEMAm)polymers. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C205-C205.	0.3	0
89	Characteristics of tufted preforms subjected to different mechanical loading for aerospace applications. <i>FME Transactions</i> , 2018, 46, 224-229.	0.7	0
90	Stimuli-Responsive Polymers Providing New Opportunities for Various Applications. <i>Hacettepe Journal of Biology and Chemistry</i> , 0, , .	0.3	0