

# Vural Butun

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86

papers

4,418

citations

30

h-index

66

g-index

93

ext. papers

4,697

ext. citations

4.6

avg, IF

5.58

L-index

#	Paper	IF	Citations
86	pH-Responsive polymers. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 144-176	4.9	567
85	Synthesis and aqueous solution properties of near-monodisperse tertiary amine methacrylate homopolymers and diblock copolymers. <i>Polymer</i> , <b>2001</b> , 42, 5993-6008	3.9	530
84	Characterizing the Structure of pH Dependent Polyelectrolyte Block Copolymer Micelles. <i>Macromolecules</i> , <b>1999</b> , 32, 4302-4310	5.5	261
83	Synthesis of Zwitterionic Shell Cross-Linked Micelles. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 4288-4289	16.4	229
82	A brief review of Schizophrenic block copolymers. <i>Reactive and Functional Polymers</i> , <b>2006</b> , 66, 157-165	4.6	221
81	Synthesis of Shell Cross-Linked Micelles with Tunable Hydrophilic/Hydrophobic Cores. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 12135-12136	16.4	216
80	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> , <b>1998</b> , 120, 11818-11819	16.4	212
79	Structure of pH-Dependent Block Copolymer Micelles: Charge and Ionic Strength Dependence. <i>Macromolecules</i> , <b>2002</b> , 35, 8540-8551	5.5	179
78	Synthesis of Shell Cross-Linked Micelles at High Solids in Aqueous Media. <i>Macromolecules</i> , <b>2000</b> , 33, 1-3	5.5	163
77	Synthesis and aqueous solution properties of a well-defined thermo-responsive schizophrenic diblock copolymer. <i>Chemical Communications</i> , <b>2002</b> , 2122-3	5.8	154
76	Selective Quaternization of 2-(Dimethylamino)ethyl Methacrylate Residues in Tertiary Amine Methacrylate Diblock Copolymers. <i>Macromolecules</i> , <b>2001</b> , 34, 1148-1159	5.5	147
75	Synthesis of branched poly(methyl methacrylate)s via controlled/living polymerisations exploiting ethylene glycol dimethacrylate as branching agent. <i>Chemical Communications</i> , <b>2004</b> , 1138-9	5.8	146
74	Synthesis and aqueous solution properties of novel hydrophilic/hydrophilic block copolymers based on tertiary aminemethacrylates. <i>Chemical Communications</i> , <b>1997</b> , 671-672	5.8	110
73	The Remarkable Flip-Flop Self-Assembly of a Diblock Copolymer in Aqueous Solution. <i>Macromolecules</i> , <b>2001</b> , 34, 1503-1511	5.5	97
72	Selective betainisation of tertiary amine methacrylate block copolymers. <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 1693-1695		68
71	Self-Organized Monolayer Films of Stimulus-Responsive Micelles. <i>Nano Letters</i> , <b>2002</b> , 2, 1307-1313	11.5	68
70	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> , <b>2001</b> , 34, 6839-6841	5.5	68

69	Layer-by-Layer Formation of Smart Particle Coatings Using Oppositely Charged Block Copolymer Micelles. <i>Advanced Materials</i> , <b>2007</b> , 19, 247-250	24	66
68	Synthesis and physical gels of pH- and thermo-responsive tertiary amine methacrylate based ABA triblock copolymers and drug release studies. <i>Polymer</i> , <b>2010</b> , 51, 3618-3626	3.9	54
67	Synthesis and Characterization of Novel Bichizophrenic Water-Soluble Triblock Copolymers and Shell Cross-Linked Micelles. <i>Macromolecules</i> , <b>2006</b> , 39, 1216-1225	5.5	53
66	Synthesis and Characterization of Branched Water-Soluble Homopolymers and Diblock Copolymers Using Group Transfer Polymerization. <i>Macromolecules</i> , <b>2005</b> , 38, 4977-4982	5.5	52
65	Use of oxyanion-initiated polymerization for the synthesis of amine methacrylate-based homopolymers and block copolymers. <i>Polymer</i> , <b>2001</b> , 42, 29-37	3.9	50
64	Synthesis and aqueous solution properties of novel neutral/acidic block copolymers. <i>Polymer</i> , <b>2000</b> , 41, 3173-3182	3.9	47
63	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> , <b>2007</b> , 105, 114-121	4.4	41
62	Characterizing the pH-responsive behavior of thin films of diblock copolymer micelles at the silica/aqueous solution interface. <i>Langmuir</i> , <b>2006</b> , 22, 8435-42	4	40
61	pH-responsive diblock copolymer micelles at the silica/aqueous solution interface: Adsorption kinetics and equilibrium studies. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 14744-53	3.4	35
60	Comparison of the adsorption of cationic diblock copolymer micelles from aqueous solution onto mica and silica. <i>Langmuir</i> , <b>2006</b> , 22, 5328-33	4	34
59	pH-Controlled Adsorption of Polyelectrolyte Diblock Copolymers at the Solid/Liquid Interface. <i>Langmuir</i> , <b>2000</b> , 16, 5980-5986	4	34
58	Selective betainization of 2-(dimethylamino)ethyl methacrylate residues in tertiary amine methacrylate diblock copolymers and their aqueous solution properties. <i>Polymer</i> , <b>2003</b> , 44, 7321-7334	3.9	33
57	Characterization of layer-by-layer self-assembled multilayer films of diblock copolymer micelles. <i>Langmuir</i> , <b>2008</b> , 24, 116-23	4	32
56	Bacterial anti-adhesive and pH-induced antibacterial agent releasing ultra-thin films of zwitterionic copolymer micelles. <i>Acta Biomaterialia</i> , <b>2016</b> , 40, 293-309	10.8	28
55	Hydrogen-bonded multilayers of micelles of a dually responsive dicationic block copolymer. <i>Soft Matter</i> , <b>2012</b> , 8, 827-836	3.6	24
54	Micelles and Reverse micelles with a novel water-soluble diblock copolymer. <i>Polymer</i> , <b>2008</b> , 49, 4057-4065	5.9	20
53	pH-responsive layer-by-layer films of zwitterionic block copolymer micelles. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3777-3787	4.9	19
52	pH-responsive behavior of selectively quaternized diblock copolymers adsorbed at the silica/aqueous solution interface. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 314, 381-8	9.3	19

51	Thermodynamic interactions of water-soluble homopolymers and double-hydrophilic diblock copolymer. <i>Journal of Chemical Thermodynamics</i> , <b>2008</b> , 40, 353-361	2.9	17
50	GC Investigation of the Solubility Parameters of Water-Soluble Homopolymers and Double-Hydrophilic Diblock Copolymers. <i>Chromatographia</i> , <b>2008</b> , 67, 741-747	2.1	17
49	Novel multiresponsive microgels: synthesis and characterization studies. <i>Langmuir</i> , <b>2011</b> , 27, 12657-65	4	16
48	Surface characteristics of 2-(diethylamino) ethyl methacrylate- $\beta$ -(dimethylamino) ethyl methacrylate diblock copolymer determined by inverse gas chromatography. <i>Surface and Interface Analysis</i> , <b>2006</b> , 38, 561-564	1.5	14
47	Multi-responsive microgel of a water-soluble monomer via emulsion polymerization. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	13
46	Tertiary Amine Methacrylate-Based ABC Triblock Copolymers: Synthesis, Characterization, and Self-Assembly in both Aqueous and Nonaqueous Media. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 1115-1128	2.6	13
45	Synthesis and stabilization of Pt nanoparticles in core cross-linked micelles prepared from an amphiphilic diblock copolymer. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 3563-3572	2.4	12
44	Bacterial anti-adhesive properties of a monolayer of zwitterionic block copolymer micelles. <i>Materials Science and Engineering C</i> , <b>2014</b> , 41, 354-62	8.3	12
43	The synthesis and solution behaviors of novel amphiphilic block copolymers based on d-galactopyranose and 2-(dimethylamino)ethyl methacrylate. <i>European Polymer Journal</i> , <b>2013</b> , 49, 4118-4129	5.2	12
42	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> , <b>2006</b> , 303, 372-9	9.3	12
41	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> , <b>2018</b> , 56, 514-526	2.5	12
40	Biologically Functional Ultrathin Films Made of Zwitterionic Block Copolymer Micelles. <i>Langmuir</i> , <b>2019</b> , 35, 1156-1171	4	10
39	Superparamagnetic latex synthesized by a new route of emulsifier-free emulsion polymerization. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2264-2272	2.9	9
38	Novel zwitterionic ABA-type triblock copolymer for pH- and salt-controlled release of risperidone. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2016</b> , 65, 151-161	3	8
37	Antimicrobial and anti-quorum-sensing properties and paint film usage of novel diazaborine-based copolymers. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 46907	2.9	8
36	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> , <b>2013</b> , 138, 559-564	4.4	8
35	An antibacterial composite system based on multi-responsive microgels hosting monodisperse gold nanoparticles. <i>Journal of Polymer Research</i> , <b>2017</b> , 24, 1	2.7	7
34	Antibacterial poly{(4-vinyl phenylboronic acid)-co-[2-(dimethylamino)ethyl methacrylate]} copolymers and their application in water-based paints. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46245	2.9	7

33	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> , <b>2005</b> , 95, 300-306	2.9	7
32	Modification of glycidyl methacrylate based block copolymers and their aqueous solution behaviours. <i>European Polymer Journal</i> , <b>2019</b> , 110, 364-377	5.2	7
31	An Optical Vapor Sensor Based on Amphiphilic Block Copolymer Langmuir-Blodgett Films. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 5313-5320	4	7
30	Highly cross-linked soluble star copolymers with well controlled molecular weights. <i>European Polymer Journal</i> , <b>2015</b> , 67, 292-303	5.2	6
29	Characterization of PDPA-b-PDMA-b-PDPA triblock copolymer Langmuir-Blodgett films for organic vapor sensing application. <i>Molecular Crystals and Liquid Crystals</i> , <b>2016</b> , 634, 104-117	0.5	6
28	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> , <b>2019</b> , 128, 610-620	7.9	5
27	Optimization of hyaluronic acid production and its cytotoxicity and degradability characteristics. <i>Preparative Biochemistry and Biotechnology</i> , <b>2018</b> , 48, 610-618	2.4	5
26	Synthesis of quaternary piperazine methacrylate homopolymers and their antibiofilm and anti-quorum sensing effects on pathogenic bacteria. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50466	2.9	5
25	Use of Sulfobetaine-Based Block Copolymer as Stabilizer in Silver Nanoparticle Production and Catalytic Activity Studies. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 2521-2529	1.3	4
24	Preparation of monometallic and bimetallic alloy nanoparticles stabilized with sulfobetaine-based block copolymer and their catalytic activities. <i>Colloid and Polymer Science</i> , <b>2019</b> , 297, 1067-1078	2.4	4
23	Effect of DMAEMA diblock copolymer on the properties of Portland and composite cement. <i>Cement and Concrete Composites</i> , <b>2008</b> , 30, 334-346	8.6	4
22	Structural characterization of a variety of spider silks from Turkey using different biophysical techniques. <i>Spectroscopy</i> , <b>2011</b> , 25, 155-167		3
21	Advanced liposome based PEGylated microgel as a novel release system for 5-fluorouracil against MCF-7 cancer cell. <i>European Polymer Journal</i> , <b>2021</b> , 146, 110270	5.2	3
20	A New Approach for the Synthesis of pH-Responsive Cross-Linked Micelles from a Poly(glycidyl methacrylate)-Based Functional Copolymer. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 2744-2754	2.6	3
19	An effective fluorescent optical sensor: Thiazolo-thiazole based dye exhibiting anion/cation sensitivities and acidochromism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 419, 113456	4.7	3
18	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> , <b>2021</b> , 159, 110759	5.2	3
17	Modified kaolinites-polyalkyl methacrylate nanocomposites: Exploring relations between solubility parameters and thermal properties for in situ solution polymerization. <i>Polymer Composites</i> , <b>2016</b> , 37, 2333-2341	3	2
16	Synthesis and characterization of water-insoluble statistical copolymer and its application in the development of electrochemical DNA sensor. <i>Talanta</i> , <b>2012</b> , 100, 270-5	6.2	2

15	Synthesis of Novel Shell Cross-Linked Micelles with Hydrophilic Cores. <i>ACS Symposium Series</i> , <b>2000</b> , 115-139	1.39	2
14	Optimization of a biosurfactant production from bacteria isolated from soil and characterization of the surfactant / Topraktan izole edilen bakterilerden biyosurfaktan üretiminin optimizasyonu ve surfaktanın karakterizasyonu. <i>Turkish Journal of Biochemistry</i> , <b>2016</b> , 41,	0.3	2
13	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> , <b>2020</b> , 129, 109623	5.2	2
12	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> , <b>2018</b> , 219, 1800128	2.6	2
11	Synthesis and Antibacterial Activities of Boronic Acid-Based Recyclable Spherical Polymer Brushes. <i>Macromolecular Research</i> , <b>2019</b> , 27, 640-648	1.9	1
10	Self-assembled and Nanostructured Copolymer Aggregations of the Tertiary Amine Methacrylate Based Triblock Copolymers. <i>Analytical Letters</i> , <b>2015</b> , 48, 2693-2707	2.2	1
9	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> , <b>2010</b> , 7, 423-426		1
8	Preparation of Responsive Zwitterionic Diblock Copolymers Containing Phosphate and Phosphonate Groups. <i>Macromolecular Research</i> , <b>2020</b> , 28, 1134-1141	1.9	1
7	Production of NiO, NiO/Ag, NiO/Au, and NiO/Pt hollow spheres by using block copolymer stabilized microspheres as a template. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51299	2.9	1
6	Tertiary Amine Methacrylate based Polymers as Corrosion Inhibitors in Double Distilled Water. Part I. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2019</b> , 55, 951-962	0.9	1
5	Tertiary Amine Methacrylate based Polymers as Corrosion Inhibitors in HCl Solution. Part II. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2019</b> , 55, 963-972	0.9	0
4	Au/Pt Bimetallic Nanoparticle Decorated Microparticle Hybrid Catalyst System for Heterogeneous Hydrogenation of Styrene. <i>Catalysis Letters</i> , <b>2021</b> , 151, 3656	2.8	0
3	Influence of Non-Ionic and Cationic Polymer on the Rheological and Colloidal Properties of Montmorillonite Dispersions. <i>Key Engineering Materials</i> , <b>2004</b> , 264-268, 1447-1450	0.4	
2	Characteristics of tufted preforms subjected to different mechanical loading for aerospace applications. <i>FME Transactions</i> , <b>2018</b> , 46, 224-229	1.6	
1	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> , <b>2022</b> , 279, 121452	4.4	