Hakan Durmaz

List of Publications by Year in Descending Order

88 papers	2,829 citations	31 h-index	51 g-index
89 ext. papers	2,963 ext. citations	3.6 avg, IF	5.16 L-index

#	Paper	IF	Citations
88	A facile approach for the fabrication of antibacterial nanocomposites: A case study for AgNWs/Poly(1,4-Cyclohexanedimethylene Acetylene Dicarboxylate) composite networks by aza-Michael addition. *European Polymer Journal*, **2022**, 169, 111130	5.2	1
87	Thermal and mechanical properties of thiol-ene photocured thermosets containing DOPO-based liquid reactive flame retardant synthesized by metal-free azide-alkyne click reaction. *Progress in Organic Coatings*, **2022**, 167, 106825	4.8	3
86	Chlorodimethylsilane-Mediated Reductive Etherification Reaction: A Robust Method for Polyether Synthesis. *Macromolecules*, **2022**, 55, 1533-1543	5.5	0
85	Ultrafast synthesis of dialkyne-functionalized polythioether and post-polymerization modification via click chemistry. *Polymer*, **2022**, 253, 124989	3.9	0
84	Ultrafast Synthesis of Phosphorus-Containing Polythioethers in the Presence of TBD. *European Polymer Journal*, **2021**, 162, 110931	5.2	3
83	One-Step Modification of Diacid-Functional Polythioethers via Simultaneous Passerini and Esterification Reactions. *Macromolecular Chemistry and Physics*, **2021**, 222, 2100038	2.6	2
82	Modification of Polyketone via Chlorodimethylsilane-Mediated Reductive Etherification Reaction: A Practical Way for Alkoxy-Functional Polymers. *Macromolecules*, **2021**, 54, 5106-5116	5.5	2
81	All in one: The preparation of polyester/silica hybrid nanocomposites via three different metal-free click reactions. *European Polymer Journal*, **2021**, 154, 110532	5.2	6
80	Electroactive Nanogel Formation by Reactive Layer-by-Layer Assembly of Polyester and Branched Polyethylenimine via Aza-Michael Addition. *Langmuir*, **2021**, 37, 10902-10913	4	4
79	Practical phosphorylation of polymers: an easy access to fully alcohol soluble synthetically and industrially important polymers. *Polymer Chemistry*, **2021**, 12, 4478-4487	4.9	2
78	Non-covalent functionalization of single walled carbon nanotubes with pyrene pendant polyester: A DFT supported study. *Journal of Molecular Structure*, **2020**, 1209, 127943	3.4	5
77	Rapid Hyperbranched Polythioether Synthesis Through Thiol-Michael Addition Reaction. *Journal of Polymer Science*, **2020**, 58, 824-830	2.4	10
76	Extremely fast synthesis of polythioether based phase change materials (PCMs) for thermal energy storage. *European Polymer Journal*, **2020**, 130, 109681	5.2	15
75	Electrospinning of Poly(1,4-Cyclohexanedimethylene Acetylene Dicarboxylate): Study on the Morphology, Wettability, Thermal and Biodegradation Behaviors. *Macromolecular Chemistry and Physics*, **2020**, 221, 2000310	2.6	10
74	Nucleophilic Thiol-yne reaction in Macromolecular Engineering: From synthesis to applications. *European Polymer Journal*, **2020**, 137, 109926	5.2	19
73	A Straightforward Method for Fluorinated Polythioether Synthesis. *Macromolecules*, **2020**, 53, 2965-2975	5.5	21
72	Aliphatic Polyester/polyhedral Oligomeric Silsesquioxanes Hybrid Networks via Copper-free 1,3-dipolar Cycloaddition Click Reaction. *Journal of Polymer Science Part A*, **2019**, 57, 2222-2227	2.5	14

71	Extremely rapid postfunctionalization of maleate and fumarate main chain polyesters in the presence of TBD. *Polymer*, **2019**, 182, 121844	3.9	5
70	Extremely Rapid Polythioether Synthesis in the Presence of TBD. *Macromolecules*, **2019**, 52, 3558-3572	5.5	33
69	Synthesis and post-polymerization modification of polyester containing pendant thiolactone units. *European Polymer Journal*, **2019**, 112, 241-247	5.2	15
68	Indirect functionalization of multiwalled carbon nano tubes through non-covalent interaction of functional polyesters. *Polymer*, **2018**, 141, 213-220	3.9	24
67	An emerging post-polymerization modification technique: The promise of thiol-para-fluoro click reaction. *Journal of Polymer Science Part A*, **2018**, 56, 1181-1198	2.5	49
66	Ultrafast and efficient aza- and thiol-Michael reactions on a polyester scaffold with internal electron deficient triple bonds. *Polymer Chemistry*, **2018**, 9, 3037-3054	4.9	35
65	Preparation of linear and hyperbranched fluorinated poly(aryl ether-thioether) through para-fluoro-thiol click reaction. *Journal of Polymer Science Part A*, **2018**, 56, 1853-1859	2.5	5
64	Study on Post-Polymerization Modification of Ring-Opening Metathesis Polymers Involving Pendant Thiolactone Units. *Journal of Polymer Science Part A*, **2018**, 56, 2145-2153	2.5	3
63	Synthesis of Poly(vitamin C) through ADMET. *Macromolecular Rapid Communications*, **2017**, 38, 1600772	4.8	6
62	Synthesis of Activated Ester Functional Polyesters through Light-Induced [4+4] Cycloaddition Polymerization. *Macromolecular Chemistry and Physics*, **2017**, 218, 1600572	2.6	9
61	Modification of electron deficient polyester via Huisgen/Passerini sequence. *Polymer*, **2017**, 127, 45-51	3.9	27
60	1,3-Dipolar and Diels□Alder cycloaddition reactions on polyester backbones possessing internal electron-deficient alkyne moieties. *Polymer Chemistry*, **2016**, 7, 7094-7100	4.9	28
59	Heterofunctionalized Multiarm Star Polymers via Sequential Thiol-para-Fluoro and Thiol-Ene Double □Click□Reactions. *Macromolecular Chemistry and Physics*, **2016**, 217, 636-645	2.6	17
58	A route toward multifunctional polyurethanes using triple click reactions. *Journal of Polymer Science Part A*, **2016**, 54, 480-486	2.5	14
57	Post-functionalization of perfluorophenyl ester-functional acyclic diene metathesis polymer. *Journal of Polymer Science Part A*, **2016**, 54, 2593-2598	2.5	5
56	Well-defined polyethylene-based graft terpolymers by combining nitroxide-mediated radical polymerization, polyhomologation and azide/alkyne □click□chemistry. *Polymer Chemistry*, **2016**, 7, 2986-2991	4.9	23
55	Dual Release Carriers for Cochlear Delivery. *Advanced Healthcare Materials*, **2016**, 5, 94-100	10.1	18
54	CXCR4-Targeted Nanocarriers for Triple Negative Breast Cancers. *Biomacromolecules*, **2015**, 16, 2412-7	6.9	27

53	Ring-opening reactions of backbone epoxidized polyoxanorbornene. *Reactive and Functional Polymers*, **2015**, 94, 35-42	4.6	5
52	Selective and Reversible Binding of Thiol-Functionalized Biomolecules on Polymers Prepared via Chemical Vapor Deposition Polymerization. *Langmuir*, **2015**, 31, 5123-9	4	15
51	Long-circulating Janus nanoparticles made by electrohydrodynamic co-jetting for systemic drug delivery applications. *Journal of Drug Targeting*, **2015**, 23, 750-8	5.4	26
50	Polymer grafting onto polyurethane backbone via Diels–Alder reaction. *Journal of Polymer Science Part A*, **2015**, 53, 521-527	2.5	14
49	Postfunctionalization of polyoxanorbornene backbone through the combination of bromination and nitroxide radical coupling reactions. *Journal of Polymer Science Part A*, **2015**, 53, 2381-2389	2.5	6
48	Chemically orthogonal three-patch microparticles. *Angewandte Chemie - International Edition*, **2014**, 53, 2332-8	16.4	40
47	Chemically Orthogonal Three-Patch Microparticles. *Angewandte Chemie*, **2014**, 126, 2364-2370	3.6	12
46	Synthesis and Characterization of Biodegradable Amphiphilic Star and Y-Shaped Block Copolymers as Potential Carriers for Vinorelbine. *Polymers*, **2014**, 6, 214-242	4.5	22
45	V-shaped graft copolymers via triple click reactions: Diels–Alder, copper-catalyzed azide–alkyne cycloaddition, and nitroxide radical coupling. *Journal of Polymer Science Part A*, **2013**, 51, 4667-4674	2.5	7
44	Heterograft brush copolymers via romp and triple click reaction strategies involving CuAAC, diels–alder, and nitroxide radical coupling reactions. *Journal of Polymer Science Part A*, **2013**, 51, 899-907	2.5	34
43	Diels-alder click reaction for the preparation of polycarbonate block copolymers. *Journal of Polymer Science Part A*, **2013**, 51, 2252-2259	2.5	12
42	Quadruple click reactions for the synthesis of cysteine-functional heterograft brush copolymer. *European Polymer Journal*, **2013**, 49, 1796-1802	5.2	14
41	3-miktoarm star terpolymers using triple click reactions: Diels–Alder, copper-catalyzed azide-alkyne cycloaddition, and nitroxide radical coupling reactions. *Journal of Polymer Science Part A*, **2012**, 50, 729-735	2.5	36
40	Synthesis of tadpole polymers via triple click reactions: Copper-catalyzed azide–alkyne cycloaddition, diels–alder, and nitroxide radical coupling reactions. *Journal of Polymer Science Part A*, **2012**, 50, 1917-1925	2.5	17
39	Synthesis and characterization of pyrene bearing amphiphilic miktoarm star polymer and its noncovalent interactions with multiwalled carbon nanotubes. *Journal of Polymer Science Part A*, **2012**, 50, 2406-2414	2.5	28
38	Quadruple click reactions for the synthesis of cysteine-terminated linear multiblock copolymers. *Journal of Polymer Science Part A*, **2012**, 50, 2863-2870	2.5	15
37	Postfunctionalization of polyoxanorbornene via sequential Michael addition and radical thiol-ene click reactions. *Journal of Polymer Science Part A*, **2012**, 50, 3116-3125	2.5	48
36	Various polycarbonate graft copolymers via diels–alder click reaction. *Journal of Polymer Science Part A*, **2012**, 50, 4476-4483	2.5	29

35	Double click reaction strategies for polymer conjugation and post-functionalization of polymers. *Polymer Chemistry*, **2012**, 3, 825-835	4.9	165
34	Block-brush copolymers via ROMP and sequential double click reaction strategy. *Journal of Polymer Science Part A*, **2011**, 49, 886-892	2.5	50
33	Sequential double polymer click reactions for the preparation of regular graft copolymers. *Journal of Polymer Science Part A*, **2011**, 49, 1195-1200	2.5	39
32	Linear tetrablock quaterpolymers via triple click reactions, azide-alkyne, diels□lder, and nitroxide radical coupling in a one-pot fashion. *Journal of Polymer Science Part A*, **2011**, 49, 1962-1968	2.5	42
31	Various brush polymers through ring opening metathesis polymerization and nitroxide radical coupling reaction. *Journal of Polymer Science Part A*, **2011**, 49, 2850-2858	2.5	30
30	Synthesis of a novel macroinimer based on thiophene and poly(□caprolactone) and its use in electrochromic device application. *Journal of Polymer Science Part A*, **2011**, 49, 4180-4192	2.5	3
29	Thermally Curable Polyoxanorbornene by Ring Opening Metathesis Polymerization. *Macromolecular Chemistry and Physics*, **2011**, 212, 2121-2126	2.6	7
28	An easy way to the preparation of multi-miktoarm star block copolymers via sequential double click reactions. *Polymer Chemistry*, **2010**, 1, 621	4.9	34
27	Novel strategy for tailoring of SiO2 and TiO2 nanoparticle surfaces with poly(□caprolactone). *Colloid and Polymer Science*, **2010**, 288, 535-542	2.4	4
26	Multiarm star block and multiarm star mixed-block copolymers via azide-alkyne click reaction. *Journal of Polymer Science Part A*, **2010**, 48, 99-108	2.5	44
25	Multiarm star triblock terpolymers via sequential double click reactions. *Journal of Polymer Science Part A*, **2010**, 48, 1557-1564	2.5	45
24	Maleimide-based thiol reactive multiarm star polymers via Diels-Alder/retro Diels-Alder strategy. *Journal of Polymer Science Part A*, **2010**, 48, 2546-2556	2.5	34
23	Multiarm star polymers with peripheral dendritic PMMA arms through Diels□lder click reaction. *Journal of Polymer Science Part A*, **2010**, 48, 4842-4846	2.5	21
22	Cyclic homo and block copolymers through sequential double click reactions. *Journal of Polymer Science Part A*, **2010**, 48, 5083-5091	2.5	66
21	Graft copolymers via ROMP and Diels□lder click reaction strategy. *Journal of Polymer Science Part A*, **2010**, 48, 5982-5991	2.5	38
20	Multiarm star block copolymers via Diels-Alder click reaction. *Journal of Polymer Science Part A*, **2009**, 47, 178-187	2.5	67
19	ROMP-NMP-ATRP combination for the preparation of 3-miktoarm star terpolymer via click chemistry. *Journal of Polymer Science Part A*, **2009**, 47, 497-504	2.5	54
18	Three-arm star ring opening metathesis polymers via alkyne-azide click reaction. *Journal of Polymer Science Part A*, **2009**, 47, 2344-2351	2.5	21

17	Star polymers with POSS via azide–alkyne click reaction. *Journal of Polymer Science Part A*, **2009**, 47, 5947-5953	2.5	37
16	Preparation of 3-arm star polymers (A3) via Diels–Alder click reaction. *Journal of Polymer Science Part A*, **2008**, 46, 302-313	2.5	97
15	H-shaped (ABCDE type) quintopolymer via click reaction [3 + 2] strategy. *Journal of Polymer Science Part A*, **2008**, 46, 4459-4468	2.5	56
14	Heterograft copolymers via double click reactions using one-pot technique. *Journal of Polymer Science Part A*, **2008**, 46, 6969-6977	2.5	95
13	One-pot synthesis of star-block copolymers using double click reactions. *Journal of Polymer Science Part A*, **2008**, 46, 7091-7100	2.5	82
12	Heteroarm H-shaped terpolymers through click reaction. *Journal of Polymer Science Part A*, **2007**, 45, 1055-1065	2.5	59
11	One-Pot Synthesis of ABC Type Triblock Copolymers via in situ Click [3 + 2] and Diels–Alder [4 + 2] Reactions. *Macromolecules*, **2007**, 40, 191-198	5.5	210
10	Anthracene–Maleimide-Based Diels–Alder "Click Chemistry" as a Novel Route to Graft Copolymers. *Macromolecules*, **2006**, 39, 5330-5336	5.5	251
9	Heteroarm H-shaped terpolymers through the combination of the Diels–Alder reaction and controlled/living radical polymerization techniques. *Journal of Polymer Science Part A*, **2006**, 44, 3947-3957	2.5	66
8	Preparation of ABC miktoarm star terpolymer containing poly(ethylene glycol), polystyrene, and poly(tert-butylacrylate) arms by combining diels–alder reaction, atom transfer radical, and stable free radical polymerization routes. *Journal of Polymer Science Part A*, **2006**, 44, 499-509	2.5	96
7	Photoresponsive poly(methyl methacrylate)2–(polystyrene)2 miktoarm star copolymer containing an azobenzene moiety at the core. *Journal of Polymer Science Part A*, **2006**, 44, 1396-1403	2.5	41
6	Preparation of block copolymers via Diels Alder reaction of maleimide- and anthracene-end functionalized polymers. *Journal of Polymer Science Part A*, **2006**, 44, 1667-1675	2.5	108
5	Synthesis of A3B3-type polystyrene–poly(methyl methacrylate) miktoarm star polymers via combination of stable free radical and atom transfer radical polymerization routes. *Designed Monomers and Polymers*, **2005**, 8, 203-210	3.1	20
4	One-pot cascade polycondensation and Passerini three-component reactions for the synthesis of functional polyesters. *Polymer Chemistry*,	4.9	1
3	Acetylene Dicarboxylic Acid Diallyl Ester: A Versatile Monomer for Thiol–Ene Photocured Networks. *Macromolecular Materials and Engineering*,2100427	3.9	3
2	Rapid synthesis of polyester based single-chain polymeric nanoparticles via an intra-molecular aza-Michael addition reaction. *Polymer Chemistry*,	4.9	2
1	Orthogonal Multiple Click Reactions for Macromolecular Design1-41		