M Atilla Tasdelen

List of Publications by Year in Descending Order

127 papers	6,465 citations	43 h-index	78 g-index
133 ext. papers	6,962 ext. citations	4.2 avg, IF	6.51 L-index

#	Paper	IF	Citations
127	Poly(ε-caprolactone)/montmorillonite nanocomposites via Diels–Alder click reaction. *Polymer Composites*, **2022**, 43, 1168-1176	3	
126	Methacrylate-functionalized POSS influence on cross-linking and mechanical properties of styrene-butadiene rubber. *Iranian Polymer Journal (English Edition)*, **2021**, 30, 697-705	2.3	1
125	Influence of POSS nanoparticles on the microstructure and mechanical properties of carbon fiber reinforced epoxy hybrid composites. *Polymer Composites*, **2021**, 42, 4056-4064	3	1
124	Synthesis, characterization and surfactant properties of cholic acid containing linear and star polymers. *Journal of Polymer Research*, **2021**, 28, 1	2.7	1
123	Synthesis, biocompatibility and gene encapsulation of poly(2-Ethyl 2-Oxazoline)-dioleoyl phosphatidylethanolamine (PEtOx-DOPE) and post-modifications with peptides and fluorescent dye coumarin. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2021**, 70, 981-993	3	4
122	The Utilization of Poly(2-ethyl-2-oxazoline)-b-Poly(ε-caprolactone) Ellipsoidal Particles for Intracellular BIKDDA Delivery to Prostate Cancer. *Macromolecular Bioscience*, **2021**, 21, e2000287	5.5	
121	The synthesis of peptide-conjugated poly(2-ethyl-2-oxazoline)-b-poly(L-lactide) (PEtOx-b-PLA) polymeric systems through the combination of controlled polymerization techniques and click reactions. *Journal of Applied Polymer Science*, **2021**, 138, 50286	2.9	2
120	Facile UV-induced covalent modification and crosslinking of styrene-isoprene-styrene copolymer Paterno-Büchi [2 + 2] photocycloaddition.. *RSC Advances*, **2021**, 11, 8585-8593	3.7	2
119	POSS-based hybrid nanocomposites **2021**, 205-216		
118	In situ preparation of hetero-polymers/clay nanocomposites by CUAAC click chemistry. *Turkish Journal of Chemistry*, **2021**, 45, 50-59	1	4
117	Synthesis and characterization of bile acid-based polymeric micelle as a drug carrier for doxorubicin. *Polymers for Advanced Technologies*, **2021**, 32, 4860	3.2	2
116	In-situ preparation of halloysite nanotube-epoxy thermoset nanocomposites via light-induced cationic polymerization. *European Polymer Journal*, **2021**, 158, 110682	5.2	0
115	Bile acid bearing poly (vinyl chloride) nanofibers by combination of CuAAC click chemistry and electrospinning process. *Materials Today Communications*, **2020**, 25, 101425	2.5	12
114	Exploiting ionisable nature of PEtOx--PEI to prepare pH sensitive, doxorubicin-loaded micelles. *Journal of Microencapsulation*, **2020**, 37, 467-480	3.4	5
113	Visible light-induced synthesis of polysulfone-based graft copolymers by a grafting from approach. *Journal of Polymer Science*, **2020**, 58, 412-416	2.4	2
112	A numerical and experimental investigation on quasi-static punch shear test behavior of aramid/epoxy composites. *Polymers and Polymer Composites*, **2020**, 28, 398-409	0.8	0
111	Photoinduced free radical promoted cationic polymerization 40 years after its discovery. *Polymer Chemistry*, **2020**, 11, 1111-1121	4.9	46

110	Halloysite Containing Thermoset Nanocomposites via Free Radical Photocrosslinking Polymerization. *Macromolecular Chemistry and Physics*, **2020**, 221, 2000197	2.6	1
109	Development of self-assembled poly(2-ethyl-2-oxazoline)-b-poly(ε-caprolactone) (PEtOx-b-PCL) copolymeric nanostructures in aqueous solution and evaluation of their morphological transitions. *EXPRESS Polymer Letters*, **2020**, 14, 1048-1062	3.4	4
108	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
107	The emerging applications of click chemistry reactions in the modification of industrial polymers. *Polymer Chemistry*, **2019**, 10, 3806-3821	4.9	50
106	Effect of clay on the dielectric properties of novel fluorinated methacrylate nanocomposites. *Polymer Composites*, **2019**, 40, 3333-3341	3	10
105	Click Chemistry in Macromolecular Design: Complex Architectures from Functional Polymers. *Chemistry Africa*, **2019**, 2, 195-214	2.2	23
104	One-pot photoinduced synthesis of dansyl containing acrylamide hydrogels and their chemosensing properties. *Journal of Applied Polymer Science*, **2019**, 136, 47096	2.9	1
103	Synthesis of fluorinated polypropylene using CuAAC click chemistry. *Journal of Applied Polymer Science*, **2019**, 136, 47072	2.9	16
102	In situ preparation of thermoset/clay nanocomposites via thiol-epoxy click chemistry. *Polymer Bulletin*, **2018**, 75, 4901-4911	2.4	6
101	Non-covalent interactions of pyrene end-labeled star poly(e-caprolactone)s with fullerene. *Journal of Applied Polymer Science*, **2018**, 135, 46520	2.9	8
100	Synthesis and properties of soybean oil-based biodegradable polyurethane films. *Progress in Organic Coatings*, **2018**, 123, 261-266	4.8	36
99	Hybrid film properties of the linseed oil based alkyd resin modified with glycidyl polyhedral oligomeric silsesquioxane. *Progress in Organic Coatings*, **2018**, 124, 175-184	4.8	10
98	Star-shaped hybrid polymers as insulators for organic field effect transistors. *Polymers for Advanced Technologies*, **2018**, 29, 3020-3026	3.2	9
97	Measurement of photon interaction parameters of high-performance polymers and their composites. *Radiation Effects and Defects in Solids*, **2018**, 173, 474-488	0.9	8
96	In-vitro cytotoxic activities of poly(2-ethyl-2-oxazoline)-based amphiphilic block copolymers prepared by CuAAC click chemistry. *EXPRESS Polymer Letters*, **2018**, 12, 146-158	3.4	25
95	Polypropylene-based graft copolymers via CuAAC click chemistry. *EXPRESS Polymer Letters*, **2018**, 12, 418-428	3.4	22
94	Antibacterial film from chlorinated polypropylene via CuAAC click chemistry. *Progress in Organic Coatings*, **2018**, 125, 73-78	4.8	15
93	Synthesis and characterization of polypropylene-graft-poly(l-lactide) copolymers by CuAAC click chemistry. *Journal of Polymer Science Part A*, **2018**, 56, 2595-2601	2.5	28

92	In-situ preparation of poly(2-ethyl-2-oxazoline)/clay nanocomposites via living cationic ring-opening polymerization. *European Polymer Journal*, **2017**, 88, 586-593	5.2	22
91	Simultaneous photoinduced electron transfer and photoinduced CuAAC processes for antibacterial thermosets. *Progress in Organic Coatings*, **2017**, 105, 252-257	4.8	6
90	Soybean oil based thermoset networks via photoinduced CuAAC click chemistry. *Polymer International*, **2017**, 66, 999-1004	3.3	18
89	Polyhedral oligomeric silsesquioxane-based hybrid networks obtained via thiol-epoxy click chemistry. *Iranian Polymer Journal (English Edition)*, **2017**, 26, 405-411	2.3	11
88	Polymer Nanocomposites via Click Chemistry Reactions. *Polymers*, **2017**, 9,	4.5	31
87	Synthesis and characterization of sugar-based methacrylates and their random copolymers by ATRP. *EXPRESS Polymer Letters*, **2017**, 11, 799-808	3.4	10
86	Benzodioxinone Photochemistry in Macromolecular Science: Progress, Challenges, and Opportunities. *ACS Macro Letters*, **2017**, 6, 1392-1397	6.6	12
85	Synthesis, characterization and surface properties of star-shaped polymeric surfactants with polyhedral oligomeric silsesquioxane core. *Polymer International*, **2017**, 66, 1610-1616	3.3	13
84	Cysteamine-functionalized silver nanowires as hydrogen donor for type II photopolymerization. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 346, 479-484	4.7	6
83	Preparation of fluorinated methacrylate/clay nanocomposite via in-situ polymerization: Characterization, structure, and properties. *Journal of Polymer Science Part A*, **2017**, 55, 411-418	2.5	17
82	Synthesis of self-curable polysulfone containing pendant benzoxazine units via CuAAC click chemistry. *Designed Monomers and Polymers*, **2017**, 20, 293-299	3.1	11
81	Graft copolymers from commercial chlorinated polypropylene via Cu(0)-mediated atom transfer radical polymerization. *Polymer International*, **2016**, 65, 1458-1463	3.3	13
80	Photomediated controlled radical polymerization. *Progress in Polymer Science*, **2016**, 62, 73-125	29.6	407
79	Orthogonal Synthesis of Block Copolymer via Photoinduced CuAAC and Ketene Chemistries. *Macromolecular Rapid Communications*, **2016**, 37, 521-6	4.8	12
78	POSS-based hybrid thermosets via photoinduced copper-catalyzed azide–alkyne cycloaddition click chemistry. *Designed Monomers and Polymers*, **2016**, 19, 155-160	3.1	28
77	Externally stimulated click reactions for macromolecular syntheses. *Progress in Polymer Science*, **2016**, 52, 19-78	29.6	96
76	Macromolecular design and application using Mn2(CO)10-based visible light photoinitiating systems. *Polymer International*, **2016**, 65, 1001-1014	3.3	34
75	Photoinduced Cu(0)-Mediated Atom Transfer Radical Polymerization. *Macromolecular Chemistry and Physics*, **2016**, 217, 812-817	2.6	11

74	Synthesis and characterization of graft copolymers by photoinduced CuAAC click chemistry. *European Polymer Journal*, **2015**, 66, 282-289	5.2	52
73	Visible Light-Induced Atom Transfer Radical Polymerization for Macromolecular Syntheses. *ACS Symposium Series*, **2015**, 145-158	0.4	6
72	Star polymers by photoinduced copper-catalyzed azide–alkyne cycloaddition click chemistry. *Journal of Polymer Science Part A*, **2015**, 53, 1687-1695	2.5	34
71	Controlled Photopolymerization and Novel Architectures **2015**, 81-121		8
70	Poly(epsilon caprolactone)/clay nanocomposites via host–guest chemistry. *European Polymer Journal*, **2015**, 71, 259-267	5.2	16
69	Synthesis of block copolymers by selective H-abstraction and radical coupling reactions using benzophenone/benzhydrol photoinitiating system. *European Polymer Journal*, **2015**, 62, 304-311	5.2	23
68	Synthesis of Miktoarm Star-Shaped Polymers with POSS Core via a Combination of CuAAC Click Chemistry, ATRP, and ROP Techniques. *Macromolecular Chemistry and Physics*, **2015**, 216, 1823-1830	2.6	27
67	Polymer/clay nanocomposites through multiple hydrogen-bonding interactions. *Journal of Polymer Science Part A*, **2015**, 53, 650-658	2.5	21
66	Photoinduced atom transfer radical polymerization using semiconductor nanoparticles. *Macromolecular Rapid Communications*, **2014**, 35, 454-9	4.8	106
65	Folic acid modified clay/polymer nanocomposites for selective cell adhesion. *Journal of Materials Chemistry B*, **2014**, 2, 6412-6421	7.3	28
64	Photochemically Mediated Atom Transfer Radical Polymerization Using Polymeric Semiconductor Mesoporous Graphitic Carbon Nitride. *Macromolecular Chemistry and Physics*, **2014**, 215, 675-681	2.6	99
63	Photoinduced reverse atom transfer radical polymerization of methyl methacrylate using camphorquinone/benzhydrol system. *Polymer International*, **2014**, 63, 902-907	3.3	61
62	Reduction of Cu(II) by photochemically generated phosphonyl radicals to generate Cu(I) as catalyst for atom transfer radical polymerization and azide-alkyne cycloaddition click reactions. *Polymer*, **2014**, 55, 3468-3474	3.9	60
61	Poly(methyl methacrylate)/POSS hybrid networks by type II photoinitiated free radical polymerization. *Polymer Composites*, **2014**, 35, 1614-1620	3	17
60	Photoinitiated atom transfer radical polymerization: Current status and future perspectives. *Journal of Polymer Science Part A*, **2014**, 52, 2878-2888	2.5	132
59	Sunlight induced atom transfer radical polymerization by using dimanganese decacarbonyl. *Polymer Chemistry*, **2014**, 5, 600-606	4.9	134
58	CHAPTER 3:Controlled/Living Radical Polymerization in the Presence of Iniferters. *RSC Polymer Chemistry Series*, **2013**, 78-111	1.3	8
57	In situ synthesis of A3-type star polymer/clay nanocomposites by atom transfer radical polymerization. *Journal of Polymer Science Part A*, **2013**, 51, 5257-5262	2.5	19

56	Polystyrene/clay nanocomposites by atom transfer radical nitroxide coupling chemistry. *Journal of Polymer Science Part A*, **2013**, 51, 1024-1028	2.5	16
55	Synthesis and Characterization of Polysulfone/POSS Hybrid Networks by Photoinduced Crosslinking Polymerization. *Macromolecular Materials and Engineering*, **2013**, 298, 1117-1123	3.9	23
54	Light-induced click reactions. *Angewandte Chemie - International Edition*, **2013**, 52, 5930-8	16.4	339
53	Recent advances in the preparation of functionalized polysulfones. *Polymer International*, **2013**, 62, 991-1007	3.3	92
52	New Methods for the Preparation of Metal and Clay Thermoset Nanocomposites **2013**, 165-188		1
51	Photoinitiated ATRP in Inverse Microemulsion. *Macromolecules*, **2013**, 46, 9537-9543	5.5	107
50	Lichtinduzierte Klickreaktionen. *Angewandte Chemie*, **2013**, 125, 6044-6053	3.6	66
49	Photoinduced Free Radical Promoted Copper(I)-Catalyzed Click Chemistry for Macromolecular Syntheses. *Macromolecules*, **2012**, 45, 56-61	5.5	140
48	Possibilities for Photoinduced Controlled Radical Polymerizations. *ACS Symposium Series*, **2012**, 59-72	0.4	26
47	Visible Light-Induced Atom Transfer Radical Polymerization. *Macromolecular Chemistry and Physics*, **2012**, 213, 1391-1396	2.6	140
46	Block Copolymers by Multi-Mode Polymerizations **2012**, 315-350		
45	Diels–Alder “click” reactions: recent applications in polymer and material science. *Polymer Chemistry*, **2011**, 2, 2133	4.9	419
44	Light-Induced Reactions of Benzoxazines and Derivatives **2011**, 183-191		
43	In situ synthesis of polymer/clay nanocomposites by type II photoinitiated free radical polymerization. *Journal of Polymer Science Part A*, **2011**, 49, 3658-3663	2.5	41
42	Poly(p-phenylene methylene)-based block copolymers by mechanistic transformation. *Journal of Polymer Science Part A*, **2011**, 49, 4021-4026	2.5	6
41	Synthesis of polybenzoxazine/clay nanocomposites by in situ thermal ring-opening polymerization using intercalated monomer. *Journal of Polymer Science Part A*, **2011**, 49, 4213-4220	2.5	50
40	Thermally Curable Polyoxanorbornene by Ring Opening Metathesis Polymerization. *Macromolecular Chemistry and Physics*, **2011**, 212, 2121-2126	2.6	7
39	Studies on Photoinduced ATRP in the Presence of Photoinitiator. *Macromolecular Chemistry and Physics*, **2011**, 212, 2036-2042	2.6	122

38	Polysulfone/Clay Nanocomposites by in situ Photoinduced Crosslinking Polymerization. *Macromolecular Materials and Engineering*, **2011**, 296, 1101-1106	3.9	34
37	Photoinduced controlled radical polymerization. *Macromolecular Rapid Communications*, **2011**, 32, 58-62	4.8	205
36	Poly(epsilon-caprolactone)/clay nanocomposites via "click" chemistry. *European Polymer Journal*, **2011**, 47, 937-941	5.2	51
35	Telechelic polymers by living and controlled/living polymerization methods. *Progress in Polymer Science*, **2011**, 36, 455-567	29.6	313
34	New Photoinitiating Systems for Cationic Polymerization Acting at Near UV and Visible Range. *Macromolecular Symposia*, **2011**, 308, 25-34	0.8	12
33	Photochemical Methods for the Preparation of Complex Linear and Cross-linked Macromolecular Structures. *Australian Journal of Chemistry*, **2011**, 64, 982	1.2	48
32	In Situ Synthesis of Oil-Based Polymer/Silver Nanocomposites by Photoinduced Electron Transfer and Free Radical Polymerization Processes. *Composite Interfaces*, **2010**, 17, 357-369	2.3	34
31	Influence of Type of Initiation on Thiol–Ene "Click" Chemistry. *Macromolecular Chemistry and Physics*, **2010**, 211, 103-110	2.6	190
30	In situ Synthesis of Polymer/Clay Nanocomposites by Living and Controlled/Living Polymerization. *Macromolecular Chemistry and Physics*, **2010**, 211, 279-285	2.6	60
29	Photoinduced Controlled Radical Polymerization in Methanol. *Macromolecular Chemistry and Physics*, **2010**, 211, 2271-2275	2.6	154
28	Light-induced copper(I)-catalyzed click chemistry. *Tetrahedron Letters*, **2010**, 51, 6945-6947	2	129
27	Synthesis of Poly(isobutyl vinyl ether)-graft-Poly(ethylene oxide) Co-polymer with Pendant Methacrylate Functionality and Its Photo-curing Behavior. *Designed Monomers and Polymers*, **2009**, 12, 265-272	3.1	4
26	Light Induced Processes for the Synthesis of Polymers With Complex Structures. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2009**, 329-341	0.1	6
25	The use of poly(ethylene oxide) as hydrogen donor in type II photoinitiated free radical polymerization. *Polymer Bulletin*, **2009**, 63, 173-183	2.4	47
24	Poly(styrene-b-tetrahydrofuran)/clay nanocomposites by mechanistic transformation. *Journal of Polymer Science Part A*, **2009**, 47, 2190-2197	2.5	48
23	Poly(cyclohexene oxide)/clay nanocomposites by photoinitiated cationic polymerization via activated monomer mechanism. *Journal of Polymer Science Part A*, **2009**, 47, 5328-5335	2.5	48
22	Poly(methyl methacrylate)/clay nanocomposites by photoinitiated free radical polymerization using intercalated monomer. *Polymer*, **2009**, 50, 3905-3910	3.9	78
21	Photoinitiated Cationic Polymerization of Vinyl Ethers Using Substituted Vinyl Halides. *Macromolecules*, **2009**, 42, 4443-4448	5.5	35

20	Photoacid Generation by Stepwise Two-Photon Absorption: Photoinitiated Cationic Polymerization of Cyclohexene Oxide by Using Benzodioxinone in the Presence of Iodonium Salt. *Macromolecules*, **2008**, 41, 295-297	5.5	65
19	Polytetrahydrofuran/Clay Nanocomposites by In Situ Polymerization and "Click" Chemistry Processes. *Macromolecules*, **2008**, 41, 6035-6040	5.5	102
18	Phenacylpyridinium Oxalate as a Novel Water-Soluble Photoinitiator for Free Radical Polymerization. *Polymer Bulletin*, **2008**, 59, 759-766	2.4	23
17	A new photoiniferter/RAFT agent for ambient temperature rapid and well-controlled radical polymerization. *Journal of Polymer Science Part A*, **2008**, 46, 3387-3395	2.5	85
16	Photoinitiated Cationic Polymerization of Mono and Divinyl Ethers in Aqueous Medium Using Ytterbium Triflate as Lewis Acid. *Macromolecular Chemistry and Physics*, **2008**, 209, 1881-1886	2.6	32
15	Photo-Induced Cross-Linking of Divinyl Ethers by Using Diphenyliodonium Salts With Highly Nucleophilic Counter Anions in the Presence of Zinc Halides. *Macromolecular Rapid Communications*, **2008**, 29, 202-206	4.8	27
14	Synthesis and characterization of polymer/clay nanocomposites by intercalated chain transfer agent. *European Polymer Journal*, **2008**, 44, 1949-1954	5.2	94
13	Block and Graft Copolymers. *Plastics Engineering*, **2008**, 307-345		
12	Photoinduced Cross-Linking Polymerization of Monofunctional Vinyl Monomer without Conventional Photoinitiator and Cross-Linker. *Macromolecules*, **2007**, 40, 4406-4408	5.5	44
11	Poly(propylene imine) dendrimers as hydrogen donor in Type II photoinitiated free radical polymerization. *European Polymer Journal*, **2007**, 43, 4423-4430	5.2	42
10	Photoinitiated curing of mono- and bifunctional epoxides by combination of active chain end and activated monomer cationic polymerization methods. *Journal of Polymer Science Part A*, **2007**, 45, 4914-4920	2.5	24
9	Synthesis and Characterization of Block-Graft Copolymers [poly(epichlorohydrin-b-styrene)-g-poly(methyl methacrylate)] by Combination of Activated Monomer Polymerization, NMP and ATRP. *Polymer Bulletin*, **2007**, 58, 653-663	2.4	24
8	Photochemically initiated free radical promoted living cationic polymerization of isobutyl vinyl ether. *Polymer*, **2007**, 48, 2199-2202	3.9	47
7	Clay-PMMA Nanocomposites by Photoinitiated Radical Polymerization Using Intercalated Phenacyl Pyridinium Salt Initiators. *Macromolecular Chemistry and Physics*, **2006**, 207, 820-826	2.6	81
6	Photoinitiated Free Radical Polymerization Using Benzoxazines as Hydrogen Donors. *Macromolecular Rapid Communications*, **2006**, 27, 1539-1544	4.8	82
5	Design and Synthesis of Thermally Curable Polymers with Benzoxazine Functionalities. *Macromolecular Symposia*, **2006**, 245-246, 27-33	0.8	18
4	Anthracene–Maleimide-Based Diels–Alder "Click Chemistry" as a Novel Route to Graft Copolymers. *Macromolecules*, **2006**, 39, 5330-5336	5.5	251
3	Photochemically masked benzophenone: Photoinitiated free radical polymerization by using benzodioxinone. *Polymer*, **2006**, 47, 7611-7614	3.9	45

2	Mechanistic transformations involving living and controlled/living polymerization methods. *Progress in Polymer Science*, **2006**, 31, 1133-1170	29.6	298
1	Photografting of Polymeric Materials509-539		13