Ahmet M Ã–nal

List of Publications by Year
in descending order

118	1,930	304368	344852
papers	citations	22 h-index	36 g-index

118	118	118	1740
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Donorâ^'Acceptor Polymer Electrochromes with Tunable Colors and Performance. Chemistry of Materials, 2010, 22, 4034-4044.	3.2	139
2	A new soluble neutral state black electrochromic copolymer via a donorâ€“acceptor approach. Organic Electronics, 2010, 11, 1255-1260.	1.4	95
3	Nanoceria-Supported Ruthenium(0) Nanoparticles: Highly Active and Stable Catalysts for Hydrogen Evolution from Water. ACS Applied Materials & Interfaces, 2018, 10, 6299-6308.	4.0	80
4	A blue to highly transmissive soluble electrochromic polymer based on poly(3,4-propylenedioxyselenophene) with a high stability and coloration efficiency. Journal of Materials Chemistry, 2011, 21, 5268.	6.7	69
5	Lifetime of Peroxyl Radicals of Poly(U), Poly(A) and Single-and Double-Stranded DNA and the Rate of Their Reaction with Thiols. International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine, 1986, 50, 103-110.	1.0	53
6	Members of CMY Color Space: Cyan and Magenta Colored Polymers Based on Oxadiazole Acceptor Unit. Macromolecules, 2012, 45, 729-734.	2.2	53
7	Furan and benzochalcogenodiazole based multichromic polymers via a donorâ€“acceptor approach. Polymer Chemistry, 2013, 4, 2457.	1.9	53
8	Synthesis and electropolymerization of the phthaocyanines with 4-(2,5-di-2-thiophen-2-yl-pyrrol-1-yl) substituents. Journal of Electroanalytical Chemistry, 2010, 639, 116-122.	1.9	38
9	Ceria supported ruthenium(0) nanoparticles: Highly efficient catalysts in oxygen evolution reaction. Journal of Colloid and Interface Science, 2019, 534, 704-710.	5.0	37
10	A fast switching, low band gap, p- and n-dopable, donorâ€“acceptor type polymer. Journal of Electroanalytical Chemistry, 2008, 615, 75-83.	1.9	36
11	A Diverseâ€Stimuli Responsive Chemiluminescent Probe with Luminol Scaffold and Its Electropolymerization. Electroanalysis, 2010, 22, 2254-2260.	1.5	34
12	Î³-Radiolysis of Poly(A) in Aqueous Solution: Efficiency of Strand Break Formation by Primary Water Radicals. International Journal of Radiation Biology, 1988, 53, 787-796.	1.0	33
13	A new processable electrochromic polymer based on an electron deficient fluorene derivative with a high coloration efficiency. Electrochimica Acta, 2011, 58, 223-230.	2.6	33
14	A new blue light emitting and electrochromic polyfluorene derivative for display applications. Organic Electronics, 2014, 15, 500-508.	1.4	33
15	Synthesis and characterization of fluorine-substituted polyanilines. European Polymer Journal, 2001, 37, 1767-1772.	2.6	32
16	Soluble alkyl substituted poly(3,4â€propylenedioxyselenophene)s: A new platform for optoelectronic materials. Journal of Polymer Science Part A, 2011, 49, 4398-4405.	2.5	31
17	Electrochromic performance and ion sensitivity of a terthienyl based fluorescent polymer. Reactive and Functional Polymers, 2010, 70, 244-250.	2.0	26
18	Electrochemical polymerization of 9-fluorenone. Journal of Electroanalytical Chemistry, 2004, 568, 151-156.	1.9	24

#	Article	IF	Citations
19	Electrochemical polymerization of 9-fluorenecarboxylic acid and its electrochromic device application. Thin Solid Films, 2008, 516, 7329-7334.	0.8	24
20	Donorâ€“acceptor polymer electrochromes with cyan color: Effect of alkyl chain length on doping processes. Organic Electronics, 2012, 13, 206-213.	1.4	24
21	Electrochemical synthesis of poly(3-bromo-4-methoxythiophene) and its device application. Journal of Electroanalytical Chemistry, 2007, 601, 68-76.	1.9	23
22	A novel conducting polymer based on terthienyl system bearing strong electron-withdrawing substituents and its electrochromic device application. Journal of Electroanalytical Chemistry, 2008, 618, 87-93.	1.9	23
23	Synthesis and electropolymerization of an ion sensing and fluorescent fluorene derivative bearing a quinoxaline moiety and its analogues with different donor units. Reactive and Functional Polymers, 2012, 72, 613-620.	2.0	23
24	Synthesis and electropolymerization of a new ion sensitive ethylenedioxy-substituted terthiophene monomer bearing a quinoxaline moiety. Journal of Electroanalytical Chemistry, 2012, 677-680, 9-14.	1.9	23
25	Substituent and heteroatom effects on the electrochromic properties of similar systems. Journal of Polymer Science Part A, 2012, 50, 615-621.	2.5	23
26	Electrochemical polymerization of an electron deficient fluorene derivative bearing ethylenedioxythiophene side groups. Electrochimica Acta, 2010, 55, 779-784.	2.6	22
27	Synthesis and electrochemical polymerization of D-A-D type monomers with thieno[3,4-c]pyrrole-4,6-dione acceptor unit. Dyes and Pigments, 2018, 158, 175-182.	2.0	22
28	Electrochemical behaviour and electrochemical polymerization of fluoro-substituted anilines. Polymer International, 2002, 51, 680-686.	1.6	21
29	Synthesis and characterization of a new conducting polymer based on 4â€(2,5â€diâ€2â€thiophenâ€2â€ylâ€pyrrolâ€1â€yl)â€phthalonitrile. Journal of Applied Polymer Science, 2009, 114, 2685-2690.	1.3	21
30	Electrochemical co-polymerization of a novel fluorene derivative with 3,4-ethylenedioxythiophene. Journal of Electroanalytical Chemistry, 2009, 632, 143-148.	1.9	21
31	Synthesis of a novel fluorescent and ion sensitive monomer bearing quinoxaline moieties and its electropolymerization. Reactive and Functional Polymers, 2011, 71, 579-587.	2.0	21
32	Electropolymerization of a new 4â€(2,5â€Diâ€2â€thiophenâ€2â€ylâ€pyrrolâ€1â€yl)â€tetra substituted nickel phthalocyanine derivative. Journal of Applied Polymer Science, 2011, 122, 1293-1299.	1.3	21
33	Electrochemical polymerization of a new low-voltage oxidized thienylenepyrrole derivative and its electrochromic device application. Journal of Electroanalytical Chemistry, 2014, 729, 15-20.	1.9	21
34	Synthesis and electrochemical polymerization of diketopyrrolopyrrole based donorâ€“acceptorâ€“donor monomers containing 3,6- and 2,7-linked carbazoles. Polymer Chemistry, 2016, 7, 6110-6119.	1.9	21
35	Effect of fluorine substituted benzothiadiazole on electro-optical properties of donor-acceptor-donor type monomers and their polymers. Dyes and Pigments, 2020, 182, 108622.	2.0	20
36	Synthesis and properties of a novel redox driven chemiluminescent material built on a terthienyl system. Tetrahedron, 2009, 65, 5776-5781.	1.0	19

#	Article	IF	Citations
37	New fluoreneâ€“xanthene-based hybrid electrochromic and fluorescent polymers via donorâ€“acceptor approach. Electrochimica Acta, 2012, 66, 38-44.	2.6	19
38	Synthesis and electro-optical properties of new conjugated hybrid polymers based on furan and fluorene units. Electrochimica Acta, 2013, 89, 339-345.	2.6	19
39	Metal oxides supported cobalt nanoparticles: Active electrocatalysts for oxygen evolution reaction. Electrochimica Acta, 2021, 393, 139053.	2.6	19
40	Carbazole based electrochromic polymers bearing ethylenedioxy and propylenedioxy scaffolds. Journal of Electroanalytical Chemistry, 2018, 815, 158-165.	1.9	18
41	Electrochemistry of nickel(II) complexes with N,Nâ€²-bis(3,5-di-tert-butylsalicylidene)polymethylenediamines. Polyhedron, 2005, 24, 1821-1828.	1.0	17
42	A glow in the dark: synthesis and electropolymerization of a novel chemiluminescent terthienyl system. Chemical Communications, 2009, , 307-309.	2.2	17
43	Free radical mediated interaction of ascorbic acid and ascorbate/Cu(II) with viral and plasmid DNAs. Journal of Biosciences, 1994, 19, 9-17.	0.5	16
44	Magnesium substituted cobalt spinel nanostructures for electrocatalytic water oxidation. Journal of Applied Electrochemistry, 2019, 49, 315-325.	1.5	16
45	Electrochemical polymerisation of 2-aminofluorene in ethylalcohol/water medium. European Polymer Journal, 2004, 40, 1875-1880.	2.6	15
46	Electrosynthesis of polyfuran in acetonitrileâ€“boron trifluorideâ€“ethyl ether mixture and its device application. Journal of Applied Polymer Science, 2007, 103, 871-876.	1.3	15
47	Optical and electronic properties of fluoreneâ€based copolymers and their sensory applications. Journal of Polymer Science Part A, 2013, 51, 815-823.	2.5	15
48	Effect of Thiophene Units on the Properties of Donor Acceptor Type Monomers and Polymers Bearing Thiophene-Benzothiadiazole- Scaffolds. Journal of the Electrochemical Society, 2016, 163, G153-G158.	1.3	15
49	Titania, zirconia and hafnia supported ruthenium(0) nanoparticles: Highly active hydrogen evolution catalysts. Journal of Colloid and Interface Science, 2018, 531, 570-577.	5.0	15
50	Electrochemical synthesis of new conjugated polymers based on carbazole and furan units. Journal of Electroanalytical Chemistry, 2015, 750, 1-8.	1.9	14
51	NEW EDOT CONTAINING POLYMERS: EFFECT OF RING SIZE ON THE BENZIMIDAZOLE ACCEPTOR. Electrochimica Acta, 2016, 188, 165-174.	2.6	14
52	Investigation of Fluorine Atom Effect on Benzothiadiazole Acceptor Unit in Donor Acceptor Donor Systems. Journal of the Electrochemical Society, 2019, 166, G141-G147.	1.3	13
53	Synthesis and electropolymerization of thieno[3,4-c]pyrrole-4,6-dione based donor-acceptor-donor type monomers. Journal of Electroanalytical Chemistry, 2020, 862, 114000.	1.9	13
54	ESR and conductivity investigations on electrochemically synthesized polyfuran and polythiophene. Journal of Physics and Chemistry of Solids, 2000, 61, 907-913.	1.9	12

#	Article	IF	Citations
55	Synthesis, characterization, and electrochemistry of tetracarbonyl(6-ferrocenyl-2,2â€²-bipyridine)tungsten(0). Journal of Organometallic Chemistry, 2007, 692, 1983-1989.	0.8	12
56	Binder- free iridium based electrocatalysts: Facile preparation, high activity and outstanding stability for hydrogen evolution reaction in acidic medium. Journal of Colloid and Interface Science, 2020, 580, 11-20.	5.0	12
57	Spectroelectrochemistry of potassium ethylxanthate, bis(ethylxanthato)nickel(ii) and tetraethylammonium tris(ethylxanthato)nickelate(ii)â€. Dalton Transactions RSC, 2001, , 2819-2824.	2.3	11
58	Pyrolysis Mass Spectrometry Analysis of BF4â¯Doped Polythiophene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 713-725.	1.2	11
59	Anodic polymerization of 2,5-di-(2-thienyl)-furan in ethanol. Electrochimica Acta, 2007, 52, 8039-8043.	2.6	11
60	Synthesis and electro-optical properties of a new copolymer based on EDOT and carbazole. Designed Monomers and Polymers, 2016, 19, 679-687.	0.7	11
61	Chromium substituted iron oxide nanowires as affordable electrocatalysts for oxygen evolution reaction. Journal of Nanoparticle Research, 2019, 21, 1.	0.8	11
62	Cross-exchange of donor units in donor-acceptor-donor type conjugated molecules: Effect of symmetrical and unsymmetrical linkage on the electrochemical and optical properties. Tetrahedron, 2020, 76, 131164.	1.0	11
63	Electrochemical and quantum chemical studies on mitomycin and adriamycin. Journal of Molecular Structure, 2003, 654, 81-93.	1.8	10
64	Propylenedioxy and Benzimidazole Based Electrochromic Polymers. Journal of the Electrochemical Society, 2016, 163, G53-G60.	1.3	10
65	Effect of the donor units on the properties of fluorinated acceptor based systems. Dyes and Pigments, 2021, 185, 108955.	2.0	10
66	High Durability and Electrocatalytic Activity Toward Hydrogen Evolution Reaction with Ultralow Rhodium Loading on Titania. Journal of the Electrochemical Society, 2020, 167, 156501.	1.3	10
67	Electroinitiated polymerization of allylphenylether. Journal of Polymer Science Part A, 1995, 33, 1817-1821.	2.5	9
68	Electroinitiated polymerization of 2-allylphenol. Polymer Bulletin, 2000, 45, 45-52.	1.7	9
69	Synthesis and electropolymerization of donor-acceptor-donor type monomers based on azobenzene-substituted thieno[3,4-c]pyrrole-4,6-dione acceptors. Electrochimica Acta, 2021, 398, 139325.	2.6	9
70	Radiation-induced and electroinitiated polymerization of allylbenzene. Polymer, 1990, 31, 1564-1567.	1.8	8
71	Characterization of BF4- doped polythiophene via pyrolysis mass spectrometry. Synthetic Metals, 2003, 135-136, 453-454.	2.1	8
72	Electropolymerization and ion sensitivity of chemiluminescent thienyl systems. Electrochimica Acta, 2009, 54, 6740-6746.	2.6	8

#	Article	IF	Citations
73	Synthesis of New Thienylene Pyrrole Monomers and Their Electropolymerizations. Journal of the Electrochemical Society, 2014, 161, G115-G121.	1.3	8
74	Efficient Ceria-Supported Rhodium Nanoparticles as an Electrocatalyst for Hydrogen Evolution. Journal of the Electrochemical Society, 2019, 166, H897-H903.	1.3	8
75	Electrochemical and optical properties of substituted phthalimide based monomers and electrochemical polymerization of 3,4-ethylenedioxythiophene-polyhedral oligomeric silsesquioxane (POSS) analogue. Dyes and Pigments, 2019, 161, 411-418.	2.0	8
76	Ceria Supported Nickel(0) Nanoparticles: A Highly Active and Low Cost Electrocatalyst for Hydrogen Evolution Reaction. Journal of the Electrochemical Society, 2020, 167, 106513.	1.3	8
77	Radiation-induced and electroinitiated polymerisation of 1, 2-Epoxy-4-epoxyethylcyclohexane. British Polymer Journal, 1983, 15, 187-189.	0.7	7
78	Electrochemical polymerisation of (2,4,6-trihalophenolato)nickel(II) complexes in solution. European Polymer Journal, 2001, 37, 2017-2023.	2.6	7
79	Investigation of the Effect of Dopant on Characteristics of Poly(3â€methyl thiophene) via Pyrolysis Mass Spectrometry. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 259-263.	1.2	7
80	Nanowires assembled from iron manganite nanoparticles: Synthesis, characterization, and investigation of electrocatalytic properties for water oxidation reaction. Journal of Materials Research, 2019, 34, 3231-3239.	1.2	7
81	Polyhedral oligomeric silsesquioxanes appended conjugated soluble polymers based on thieno[3,4-c]pyrrole-4,6â€dione acceptor unit. Electrochimica Acta, 2021, 377, 138064.	2.6	7
82	Electroinitiated and radiation-induced polymerisation of epoxycyclohexane. British Polymer Journal, 1983, 15, 179-182.	0.7	6
83	Polymerization ofN-vinylcarbazole initiated by UV-radiation. British Polymer Journal, 1989, 21, 71-76.	0.7	6
84	ESR study of radiation resistance of some aza- and thiacrown ethers at 77 K. Journal of Radioanalytical and Nuclear Chemistry, 1998, 230, 39-45.	0.7	6
85	Electrochemical copolymerization of 2-substituted thiophene derivative linked by polyether bridge with thiophene. Journal of Electroanalytical Chemistry, 2005, 583, 104-108.	1.9	6
86	Pyrolysis Mass Spectrometry Analysis of Electrochemically Grafted Polyacrylonitrile with Thiophene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1387-1397.	1.2	6
87	Synthesis and electrochemistry of Group 6 tetracarbonyl (N,Nâ€²-bis(ferrocenylmethylene)ethylenediamine)metal(0) complexes. Journal of Organometallic Chemistry, 2006, 691, 5030-5037.	0.8	6
88	Electrochemical copolymerization and characterization of dianilines linked by polyether bridge with aniline. Journal of Applied Electrochemistry, 2010, 40, 865-873.	1.5	6
89	Synthesis and Electrochemical Polymerization of Dithienosilole-Based Monomers Bearing Different Donor Units. Journal of the Electrochemical Society, 2016, 163, G69-G74.	1.3	6
90	Spectroelectrochemical Investigation of Pentacarbonyl(pyrazine)metal(0) (Metal = Cr, Mo, W) Complexes of Group 6 Elements. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2002, 57, 92-98.	0.3	5

#	Article	IF	Citations
91	Template-free microsphere and hollow sphere formation of polymethylanilines. Polymer International, 2009, 58, 674-679.	1.6	5
92	Electrochemical and optical properties of dicyclohexylmethyl substituted poly(3,4â€propylenedioxythiophene) analogue. Journal of Applied Polymer Science, 2018, 135, 46214.	1.3	5
93	Electroinitiated and radiation-induced polymerisation of epoxycyclopentane. British Polymer Journal, 1984, 16, 102-104.	0.7	4
94	Electrochemical polymerization of 4-allylanisole. European Polymer Journal, 2001, 37, 1747-1752.	2.6	4
95	Synthesis of a regular polymer containing pseudo-polyether cages. Synthetic Metals, 2005, 150, 39-45.	2.1	4
96	Spectroelectrochemical investigations of pyrimidine-2-thionato-bridged binuclear platinum(III) complexes. Polyhedron, 2014, 74, 122-128.	1.0	4
97	Thermal analysis of electroinitiated and radiation induced poly(epoxycyclopentanes) and poly(epoxycyclohexanes) by mass spectrometry. European Polymer Journal, 1995, 31, 103-107.	2.6	3
98	Electrochemical Polymerization of Paraâ€Substituted Haloanilines. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 153-163.	1.2	3
99	Impedance spectroscopy of Nâ€substituted oligoâ€oxyethylene polypyrrole films. Journal of Applied Polymer Science, 2008, 108, 2373-2378.	1.3	3
100	A new electrochemical method for the production of stable ascorbate free radicals. Journal of Proteomics, 1990, 20, 137-142.	2.4	2
101	Radiation induced chain addition of allylbenzene to 1,4-dioxane. Journal of Radioanalytical and Nuclear Chemistry, 1999, 240, 953-957.	0.7	2
102	Spectro-Electrochemistry of Diethyldithiocarbamate Complexes of Ni(II), Pd(II) and Pt(II). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2001, 56, 202-208.	0.3	2
103	Synthesis and polymerization of 2- and 3-substituted thiophene derivatives linked by polyether bridges. Journal of Electroanalytical Chemistry, 2004, 573, 189-196.	1.9	2
104	Synthesis and polymerization of 2- and 3-substituted thiophene derivatives linked by polyether bridges. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 2004, 573, 189-196.	0.3	2
105	Synthesis of Nâ€polyethereal polypyrroles and their application for the preconcentration of rare earth ions. Journal of Applied Polymer Science, 2008, 108, 2707-2711.	1.3	2
106	Electrochemistry of tricarbonyl(Î·6-1,3,5-cycloheptatriene)metal(O) complexes of the group 6B elements in aprotic media. Inorganica Chimica Acta, 1989, 156, 281-284.	1.2	1
107	Radiation effect on polyadenylic acid in aqueous solution. Radiation Physics and Chemistry, 1995, 46, 901-904.	1.4	1
108	Pyrolysis Studies to Investigate Effects of Polymerization Techniques on Structure and Thermal Behavior of Poly(1,2-Epoxy-4-epoxyethylcyclohexanes). Journal of Macromolecular Science - Pure and Applied Chemistry, 1995, 32, 1167-1181.	1.2	1

#	ARTICLE	IF	CITATIONS
109	Gamma-radiation initiated addition of allylbenzene to the morpholine. Journal of Radioanalytical and Nuclear Chemistry, 1999, 242, 91-96.	0.7	1
110	Spectroelectrochemical investigation of the anodic oxidation of dibenzo-18-crown-6. Journal of Electroanalytical Chemistry, 2004, 571, 159-167.	1.9	1
111	Electrochemical polymerization and characterization of polyether-substituted aniline derivatives. Polymer International, 2007, 56, 1040-1044.	1.6	1
112	Electrochemical Behavior of Hydrazine Borane in Methanol Solution. Journal of the Electrochemical Society, 2014, 161, F1171-F1175.	1.3	1
113	Low-temperature Spectroelectrochemistry of Tetraethylammonium Tris(ethylxanthato)nickelate(II) and Bis(ethylxanthato)nickel(II) Complexes. Inorganic Reaction Mechanisms, 2002, 4, 133-139.	0.4	1
114	Studies on the strand-breaking activity of the ascorbate/copper(ii) system in poly(adenylic acid). Polymer, 1995, 36, 2969-2972.	1.8	0
115	Viscosity Molecular Weight Determination of Polyadenylic Acid. Journal of Macromolecular Science - Pure and Applied Chemistry, 1995, 32, 553-562.	1.2	0
116	Electrochemical Study of Tricarbonyl(Î·6-cyclooctatetraene)metal(0) Complexes of the Group 6 Elements. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1998, 53, 875-880.	0.3	0
117	POLYMERIZATION BY BIS(ETHYLXANTHATO)-NICKEL(II) AS AN INITIATOR. I. POLYMERIZATION OF STYRENE OXIDE. Journal of Macromolecular Science - Pure and Applied Chemistry, 1999, 36, 115-135.	1.2	0
118	The Utilization of Iridium Nanoparticles Impregnated on Metal Oxides (Ceria, Titania, and Zirconia) with a Simple and Ecologically Safe Synthesis Approach in Oxygen Evolution Reactions. Journal of the Electrochemical Society, 0, , .	1.3	0