

# Murat Ates

## List of Publications by Citations

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101  
papers

1,969  
citations

22  
h-index

40  
g-index

105  
ext. papers

2,253  
ext. citations

2.9  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
101	A review study of (bio)sensor systems based on conducting polymers. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 1853-9	8.3	321
100	Review study of electrochemical impedance spectroscopy and equivalent electrical circuits of conducting polymers on carbon surfaces. <i>Progress in Organic Coatings</i> , <b>2011</b> , 71, 1-10	4.8	132
99	A review on conducting polymer coatings for corrosion protection. <i>Journal of Adhesion Science and Technology</i> , <b>2016</b> , 30, 1510-1536	2	119
98	Conducting polymer coated carbon surfaces and biosensor applications. <i>Progress in Organic Coatings</i> , <b>2009</b> , 66, 337-358	4.8	113
97	Carbon nanotube-based nanocomposites and their applications. <i>Journal of Adhesion Science and Technology</i> , <b>2017</b> , 31, 1977-1997	2	69
96	Supercapacitor behaviors of polyaniline/CuO, polypyrrole/CuO and PEDOT/CuO nanocomposites. <i>Polymer Bulletin</i> , <b>2015</b> , 72, 2573-2589	2.4	64
95	Carbon fiber microelectrodes electrocoated with polycarbazole and poly(carbazole-co-p-tolylsulfonil pyrrole) films for the detection of dopamine in presence of ascorbic acid. <i>Mikrochimica Acta</i> , <b>2008</b> , 160, 247-251	5.8	61
94	Electrochemical impedance spectroscopy and morphological analyses of pyrrole, phenylpyrrole and methoxyphenylpyrrole on carbon fiber microelectrodes. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 3997-4005	4.4	52
93	Electrolyte and solvent effects of electrocoated polycarbazole thin films on carbon fiber microelectrodes. <i>Journal of Applied Electrochemistry</i> , <b>2006</b> , 36, 889-898	2.6	48
92	Three-dimensional design and fabrication of reduced graphene oxide/polyaniline composite hydrogel electrodes for high performance electrochemical supercapacitors. <i>Nanotechnology</i> , <b>2018</b> , 29, 175402	3.4	41
91	Electrochemical impedance spectroscopy of poly[carbazole-co-N-p-tolylsulfonil pyrrole] on carbon fiber microelectrodes, equivalent circuits for modelling. <i>Progress in Organic Coatings</i> , <b>2009</b> , 65, 281-287	4.8	40
90	A Study of the Electrochemical Behavior of Poly [N-Vinyl Carbazole] Formed on Carbon-Fiber Microelectrodes and Its Response to Dopamine. <i>IEEE Sensors Journal</i> , <b>2008</b> , 8, 1628-1639	4	38
89	Capacitive behavior of polycarbazole- and poly(N-vinylcarbazole)-coated carbon fiber microelectrodes in various solutions. <i>Journal of Applied Electrochemistry</i> , <b>2009</b> , 39, 2043-2048	2.6	35
88	Nanocomposite film formations of polyaniline via TiO <sub>2</sub> , Ag, and Zn, and their corrosion protection properties. <i>Progress in Organic Coatings</i> , <b>2015</b> , 82, 33-40	4.8	34
87	Characterization of Micrometer-Sized Thin Films of Electrocoated Carbazole with p-Tolylsulfonil Pyrrole on Carbon Fiber Microelectrodes. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, D283	3.9	34
86	Polycarbazole modified carbon fiber microelectrode: Surface characterization and dopamine sensor. <i>Fibers and Polymers</i> , <b>2009</b> , 10, 46-52	2	30
85	Carbazole derivative synthesis and their electropolymerization. <i>Journal of Solid State Electrochemistry</i> , <b>2016</b> , 20, 2599-2612	2.6	25

84	Synthesis and electropolymerization of 9-(4-vinylbenzyl)-9H-carbazole on carbon fiber microelectrode: Capacitive behavior of poly(9-(4-vinylbenzyl)-9H-carbazole). <i>Fibers and Polymers</i> , <b>2010</b> , 11, 331-337	2	25
83	Electrochemical impedance spectroscopy of poly(N-methyl pyrrole) on carbon fiber microelectrodes and morphology. <i>Progress in Organic Coatings</i> , <b>2008</b> , 62, 331-335	4.8	23
82	The application of polycarbazole, polycarbazole/nanoclay and polycarbazole/Zn-nanoparticles as a corrosion inhibition for SS304 in saltwater. <i>Progress in Organic Coatings</i> , <b>2015</b> , 84, 50-58	4.8	22
81	Reduced graphene oxide/Titanium oxide nanocomposite synthesis via microwave-assisted method and supercapacitor behaviors. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 728, 541-551	5.7	22
80	Synthesis and electropolymerization of 9-tosyl-9H-carbazole, electrochemical impedance spectroscopic study and circuit modelling. <i>Fibers and Polymers</i> , <b>2011</b> , 12, 8-14	2	22
79	Monomer concentration effect on electrochemically modified carbon fiber with poly[1-(4-methoxyphenyl)-1H-pyrrole] as microcapacitor electrode. <i>Advances in Polymer Technology</i> , <b>2009</b> , 28, 120-130	1.9	21
78	ELECTROCHEMICAL COPOLYMERIZATION OF N-METHYL PYRROLE WITH CARBAZOLE. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2004</b> , 53, 785-798	3	21
77	Electrospun carbon nanofiber web electrode: Supercapacitor behavior in various electrolytes. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45723	2.9	20
76	Electrochemical Impedance Spectroscopic Study of Polythiophenes on Carbon Materials. <i>Polymer-Plastics Technology and Engineering</i> , <b>2011</b> , 50, 1130-1148		20
75	Comparative Study of Chemical and Electrochemical Copolymerization of N-Methylpyrrole with N-Ethylcarbazole Spectroscopic and Cyclic Voltammetric Analysis. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2005</b> , 54, 883-897	3	19
74	Polyaniline and polypyrrole/TiO <sub>2</sub> nanocomposite coatings on Al1050: electrosynthesis, characterization and their corrosion protection ability in saltwater media. <i>Iranian Polymer Journal (English Edition)</i> , <b>2015</b> , 24, 607-619	2.3	17
73	A Comparative study of redox parameters and electrochemical impedance spectroscopy of polycarbazole derivatives on carbon fiber microelectrode. <i>Fibers and Polymers</i> , <b>2010</b> , 11, 1094-1100	2	17
72	The synthesis of rGO, rGO/RuO <sub>2</sub> and rGO/RuO <sub>2</sub> /PVK nanocomposites, and their supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 787, 851-864	5.7	16
71	Supercapacitor study of reduced graphene oxide/Zn nanoparticle/polycarbazole electrode active materials and equivalent circuit models. <i>Journal of Solid State Electrochemistry</i> , <b>2018</b> , 22, 3261-3271	2.6	16
70	Electrochemical impedance of poly(9-tosyl-9H-carbazole-co-pyrrole) electrocoated carbon fiber. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 127, 120-127	4.4	16
69	The synthesis of rGO/RuO <sub>2</sub> , rGO/PANI, RuO <sub>2</sub> /PANI and rGO/RuO <sub>2</sub> /PANI nanocomposites and their supercapacitors. <i>Polymer Bulletin</i> , <b>2020</b> , 77, 2285-2307	2.4	16
68	Synthesis of rGO/TiO <sub>2</sub> /PEDOT nanocomposites, supercapacitor device performances and equivalent electrical circuit models. <i>Journal of Polymer Research</i> , <b>2019</b> , 26, 1	2.7	15
67	Graphene and its nanocomposites used as an active materials for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , <b>2016</b> , 20, 1509-1526	2.6	14

66	Active carbon/graphene hydrogel nanocomposites as a symmetric device for supercapacitors. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2016</b> , 24, 427-434	1.8	13
65	rGO/CuO/PEDOT nanocomposite formation, its characterisation and electrochemical performances for supercapacitors. <i>Plastics, Rubber and Composites</i> , <b>2019</b> , 48, 168-184	1.5	12
64	A ternary nanocomposite of reduced graphene oxide, Ag nanoparticle and Polythiophene used for supercapacitors. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2018</b> , 26, 360-369	1.8	12
63	The comparison of capacitor behaviors of polymethylcarbazole and polymethylcarbazole/graphene. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 714, 433-442	5.7	11
62	Gold nanoparticle/nickel oxide/poly(pyrrole-N-propionic acid) hybrid multilayer film: Electrochemical study and its application in biosensing. <i>EXPRESS Polymer Letters</i> , <b>2017</b> , 11, 449-466	3.4	11
61	Electrolyte type and concentration effects on poly(3-(2- aminoethyl thiophene) electro-coated on glassy carbon electrode via impedimetric study. <i>Iranian Polymer Journal (English Edition)</i> , <b>2013</b> , 22, 199-208	2.3	11
60	Synthesis of 2-(9H-carbazole-9-yl)ethyl methacrylate: Electrochemical impedance spectroscopic study of poly(2-(9H-carbazole-9-yl)ethyl methacrylate) on carbon fiber. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 3475-3482	2.9	11
59	A novel synthesis of 4-toluene 9H-carbazole-9-carbodithioate, electropolymerization and impedance study. <i>EXPRESS Polymer Letters</i> , <b>2014</b> , 8, 480-490	3.4	10
58	Capacitive behaviors and monomer concentration effects of poly(9-benzyl-9H-carbazole) on carbon fiber microelectrode. <i>Fibers and Polymers</i> , <b>2011</b> , 12, 296-302	2	10
57	Poly(3,5-dithiophene-2-ylidithieno[3,2-b;2',3'-d]thiophene-co-Ethylenedioxythiophene)/Glassy Carbon Electrode Formation and Electrochemical Impedance Spectroscopic Study. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, E115-E121	3.9	10
56	Comparison of corrosion protection of chemically and electrochemically synthesized poly(N-vinylcarbazole) and its nanocomposites on stainless steel. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 533-541	2.6	9
55	Synthesis, characterization, and supercapacitor performances of activated and inactivated rGO/MnO <sub>2</sub> and rGO/MnO <sub>2</sub> /PPy nanocomposites. <i>Ionics</i> , <b>2020</b> , 26, 4723-4735	2.7	9
54	Ruthenium oxide-carbon-based nanofiller-reinforced conducting polymer nanocomposites and their supercapacitor applications. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 2601-2619	2.4	9
53	Synthesis of 9H-carbazole-9-carbothioic methacrylic thioanhydride, electropolymerization, characterization and supercapacitor applications. <i>Polymer Bulletin</i> , <b>2014</b> , 71, 1557-1573	2.4	9
52	Synthesis of 6-(3,6-di(thiophene-2-yl)-9H-carbazole-9-yl)-hexanoic acid, alternating copolymer formation, characterization and impedance evaluations. <i>Designed Monomers and Polymers</i> , <b>2013</b> , 16, 398-406	3.1	9
51	A ternary nanocomposites of graphene / TiO <sub>2</sub> / polypyrrole for energy storage applications. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2018</b> , 26, 631-642	1.8	9
50	Supercapacitor device performances of polycarbazole/graphene and polycarbazole/nanoclay/graphene nanocomposites. <i>Plastics, Rubber and Composites</i> , <b>2018</b> , 47, 192-201	1.5	8
49	Comparative analysis of poly(N-methylpyrrole) and its titanium dioxide nanocomposite film formations against equivalent electrical circuit model for the their corrosion-inhibition effects. <i>High Performance Polymers</i> , <b>2016</b> , 28, 75-84	1.6	8

48	Comparison of electrolyte effects for poly(3,4-ethylenedioxythiophene) and poly(3-octylthiophene) by electrochemical impedance spectroscopy and polymerization parameters with morphological analyses on coated films <b>2013</b> , 10, 317-330		8
47	Supercapacitor Behavior of Poly(Carbazole-EDOT) Derivatives/Multi-Walled Carbon Nanotubes, Characterizations and Equivalent Circuit Model Evaluations. <i>Polymer-Plastics Technology and Engineering</i> , <b>2014</b> , 53, 1070-1081		8
46	Synthesis of 5-(3,6-di(thiophene-2-yl)-9H-carbazole-9-yl)pentane-1-amine and Electrochemical Impedance Spectroscopy. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 640-646		8
45	Copolymer formation of 9-(2-(benzyloxy)ethyl)-9H-carbazole and 1-tosyl-1H-pyrrole coated on glassy carbon electrode and electrochemical impedance spectroscopy. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 2639-2649	2.6	8
44	Synthesis of 2-(3,6-bis(2,3-dihydrothieno[3,4-b][1,4]dioxin-5-yl)-9H-carbazole-9-yl)ethyl Methacrylate, Electropolymerization, Characterization and Impedimetric Study. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, G46-G54	3.9	8
43	Poly(9H-Carbazole-9-Carbothioic Dithioperoxyanhydride) Formation and Capacitor Study. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2015</b> , 64, 755-761	3	7
42	Electropolymerization of 9-Carbazole Acetic Acid in Room Temperature Ionic Liquid-Acetonitrile Mixture: Morphology, Capacitance, and MottSchottky Analysis. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, G107-G114	3.9	7
41	Poly(2,6-di(thiophene-2-yl)-3,5bis(4-(thiophene-2-yl)phenyl)dithieno [3,2-b;2',3'Td]thiophene)/carbon nanotube composite for capacitor applications. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	7
40	Electrochemical copolymerization of N-methylpyrrole and 2,2'-bithiophene; characterization, micro-capacitor study, and equivalent circuit model evaluation. <i>Bulletin of Materials Science</i> , <b>2013</b> , 36, 1281-1290	1.7	7
39	High power density supercapacitor devices based on nickel foam coated rGO/MnCo2O4 nanocomposites. <i>Ionics</i> , <b>2020</b> , 26, 5725-5735	2.7	7
38	Electrochemical supercapacitors of PANI/MWCNT, PEDOT/MWCNT and P(ANI-co-EDOT)/MWCNT nanocomposites. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 3207-3231	2.4	7
37	Preparation of rGO/Ag/PEDOT nanocomposites for supercapacitors. <i>Materials Technology</i> , <b>2018</b> , 33, 872-883	2.1	7
36	Supercapacitor performances of RuO2/MWCNT, RuO2/Fullerene nanocomposites. <i>Energy Storage</i> , <b>2019</b> , 1, e86	2.8	6
35	A novel synthesis of (3,6-bis(2,3-dihydrothieno[3,4-b][1,4]dioxin-5-yl)-9-(4-vinylbenzyl)-9H-carbazole), alternating polymer formation, characterization, and capacitance measurements. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 17, 2447-2457	2.6	6
34	Poly(3-Octylthiophene) and Poly(3-Octylthiophene)/TiO2-Coated on Al1050: Electrosynthesis, Characterization and Its Corrosion Protection Ability in NaCl Solution. <i>Polymer-Plastics Technology and Engineering</i> , <b>2014</b> , 53, 1768-1777		6
33	Micro-Capacitor Behavior of Poly(3-Hexyl Thiophene)/Carbon Fiber/Electrolyte System and Equivalent Circuit Model. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 1258-1265		6
32	Electrochemical Polymerization of Thiophene and Poly(3-hexyl)thiophene, Nanocomposites with TiO2, and Corrosion Protection Behaviors. <i>Polymer-Plastics Technology and Engineering</i> , <b>2015</b> , 54, 1780-1786		5
31	Synthesis of methyl 4-(9H-carbazole-9-carbanthioylthio) benzoate: electropolymerization and impedimetric study. <i>Turkish Journal of Chemistry</i> , <b>2015</b> , 39, 194-205	1	5

30	Modified carbon black, CB/MnO <sub>2</sub> and CB/MnO <sub>2</sub> /PPy nanocomposites synthesised by microwave-assisted method for energy storage devices with high electrochemical performances. <i>Plastics, Rubber and Composites</i> , <b>2020</b> , 49, 342-356	1.5	5
29	Synthesis of ternary polypyrrole/Ag nanoparticle/graphene nanocomposites for symmetric supercapacitor devices. <i>Journal of Solid State Electrochemistry</i> , <b>2018</b> , 22, 773-784	2.6	4
28	Electrolyte effects of poly(3-methylthiophene) via PET/ITO and synthesis of 5-(3,6-di(thiophene-2-yl)-9H-carbazole-9-yl) pentanitride on electrochemical impedance spectroscopy. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 3302-3312	2.9	4
27	Covalent Immobilization of Urease on Poly(Pyrrole-3-carboxylic Acid): Electrochemical Impedance and Mott Schottky Study. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, B435-B444	3.9	4
26	Synthesis of poly(methylcarbazole) and its nanoclay and nanozinc composites and corrosion protection performances on stainless steel Type 304. <i>Science and Engineering of Composite Materials</i> , <b>2017</b> , 24, 825-832	1.5	3
25	Electrocoated Films of Poly(N-Methylpyrrole-co-2,2'-Bithiophene-co-3-(Octylthiophene)), Characterizations, and Capacitor Study. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2015</b> , 64, 125-133	3	3
24	rGO / MnO <sub>2</sub> / Polyterthiophene ternary composite: pore size control, electrochemical supercapacitor behavior and equivalent circuit model analysis. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	3
23	Glucose oxidase immobilization onto Au/poly[anthranilic acid-co-3-carboxy-N-(2-thenylidene)aniline]/PVAc electrospun nanofibers. <i>Polymer Bulletin</i> , <b>2017</b> , 74, 1493-1517	2.4	3
22	Comparison of anticorrosion behavior of polyaniline and poly(3,4-methylenedioxyaniline) and their titanium dioxide nanocomposites. <i>High Performance Polymers</i> , <b>2015</b> , 27, 685-693	1.6	3
21	9-Benzyl-9H-carbazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o1077		3
20	The effects of thermoform molding conditions on polyvinylchloride and polyethylene double layer package materials. <i>Polymer Engineering and Science</i> , <b>2009</b> , 49, 2234-2241	2.3	3
19	Circuit Model Evaluation of Poly(methyl pyrrole-co-2-(9H-carbazole-9-yl)ethyl methacrylate) on Carbon Fiber. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 493-499		3
18	9H-Carbazole-9-carbo-thioic di-thio-peroxy-anhydride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o771		3
17	Design and assembly of supercapacitor based on reduced graphene oxide/TiO <sub>2</sub> /polyaniline ternary nanocomposite and its application in electrical circuit. <i>Polymer Bulletin</i> , 1	2.4	3
16	Synthesis of rGO/nanoclay/PVK nanocomposites, electrochemical performances of supercapacitors. <i>Polymer-Plastics Technology and Materials</i> , <b>2019</b> , 58, 1481-1494	1.5	2
15	The electropolymerization of N,N'-(propane-1,3-diyl)bis(2-aminobenzamide), characterization, and capacitor study. <i>High Performance Polymers</i> , <b>2018</b> , 30, 82-93	1.6	2
14	Capacitance behaviors of EDOT and pyrrole copolymer, and equivalent circuit model. <i>Materials Research Innovations</i> , <b>2018</b> , 22, 22-36	1.9	2
13	Capacitor Applications of Nanocomposite Films for Poly(3,4-ethylenedioxythiophene-co-pyrrole)/Multi-Walled Carbon Nanotubes and Poly(3,4-ethylenedioxythiophene-co-pyrrole)/Copper Oxide. <i>Polymer-Plastics Technology and Engineering</i> , <b>2014</b> , 55, 1488-1508		2

12	Copolymer formation of 4-vinylbenzyl-9H-carbazole-9-carbodithioate and ethylenedioxythiophene and capacitive behavior. <i>High Performance Polymers</i> , <b>2014</b> , 26, 587-597	1.6	2
11	Facile preparation of reduced graphene oxide, polypyrrole, carbon black, and polyvinyl alcohol nanocomposite by electrospinning: a low-cost and sustainable approach for supercapacitor application. <i>Ionics</i> , <b>2021</b> , 27, 2659-2672	2.7	2
10	Binary nanocomposites of reduced graphene oxide and cobalt (II, III) oxide for supercapacitor devices. <i>Materials Technology</i> , 1-15	2.1	2
9	Electrochemical copolymerization of carbazole and 2,2':5'-2" terthiophene: characterization and micro-capacitor application. <i>Iranian Polymer Journal (English Edition)</i> , <b>2014</b> , 23, 581-589	2.3	1
8	Synthesis of 9-(4-nitrophenylsulfonyl)-9H-carbazole: Comparison of an impedance study of poly[9-(4-nitrophenylsulfonyl)-9H-carbazole] on gold and carbon fiber microelectrodes. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 124, n/a-n/a	2.9	1
7	9-(4-Nitro-phenyl-sulfon-yl)-9H-carbazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o1428-9		1
6	Reliability of electrode materials for supercapacitors and batteries in energy storage applications: a review. <i>Ionics</i> , 1	2.7	1
5	Supercapacitor performances of titaniumβpolymeric nanocomposites: a review study. <i>Iranian Polymer Journal (English Edition)</i> , 1	2.3	1
4	Modelling of GO/PPy/CB and rGO/PPy/CB nanocomposite supercapacitors using an electrical equivalent circuit. <i>Ionics</i> , <b>2021</b> , 27, 4531-4547	2.7	0
3	5-(3,6-Dibromo-9H-carbazol-9-yl)penta-nenitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o642		
2	Nanomaterials: Conducting Polymers and Sensing 5311-5335		
1	Nanomaterials: Conducting Polymers and Sensing <b>2017</b> , 1035-1059		