Gorkem Gunbas

List of Publications by Year
in descending order

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46 papers	2,221 citations	236612 25 h-index	233125 45 g-index
48 all docs	48 docs citations	48 times ranked	2393 citing authors

#	Article	IF	Citations
1	Activity-Based Photosensitizers with Optimized Triplet State Characteristics Toward Cancer Cell Selective and Image Guided Photodynamic Therapy. ACS Applied Bio Materials, 2022, 5, 2754-2767.	2.3	5
2	ProTOT: Synthesis of the missing member of the 3,4-chalcogen substituted bridged thiophenes and its utilization in donor-acceptor polymers. Polymer, 2021, 212, 123076.	1.8	7
3	Balanced Intersystem Crossing in Iodinated Silicon-Fluoresceins Allows New Class of Red Shifted Theranostic Agents. ACS Medicinal Chemistry Letters, 2021, 12, 752-757.	1.3	3
4	A Thienothiopheneâ€Based Cation Treatment Allows Semitransparent Perovskite Solar Cells with Improved Efficiency and Stability. Advanced Functional Materials, 2021, 31, 2103130.	7.8	15
5	A Nonionic Alcohol Soluble Polymer Cathode Interlayer Enables Efficient Organic and Perovskite Solar Cells. Chemistry of Materials, 2021, 33, 8602-8611.	3.2	28
6	A Thienothiopheneâ€Based Cation Treatment Allows Semitransparent Perovskite Solar Cells with Improved Efficiency and Stability (Adv. Funct. Mater. 42/2021). Advanced Functional Materials, 2021, 31, 2170314.	7.8	0
7	Resorufin Enters the Photodynamic Therapy Arena: A Monoamine Oxidase Activatable Agent for Selective Cytotoxicity. ACS Medicinal Chemistry Letters, 2020, 11, 2491-2496.	1.3	16
8	Hybrid Vapor-Solution Sequentially Deposited Mixed-Halide Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 8257-8265.	2.5	21
9	Mitochondriaâ€Targeting Selenopheneâ€Modified BODIPYâ€Based Photosensitizers for the Treatment of Hypoxic Cancer Cells. ChemMedChem, 2019, 14, 1879-1886.	1.6	35
10	A new NIR absorbing DPP-based polymer for thick organic solar cells. Journal of Materials Chemistry C, 2018, 6, 2957-2961.	2.7	22
11	A Novel Blue to Transparent Polymer for Electrochromic Supercapacitor Electrodes. Electroanalysis, 2018, 30, 266-273.	1.5	26
12	Synthesis of N-Bridged Pyrido[4,3-d]pyrimidines and Self-Assembly into Twin Rosette Cages and Nanotubes in Organic Media. Scientific Reports, 2018, 8, 15949.	1.6	5
13	A new highâ€performance blue to transmissive electrochromic material and use of silver nanowire network electrodes as substrates. Journal of Polymer Science Part A, 2017, 55, 1680-1686.	2.5	24
14	ABE Condensation over Monometallic Catalysts: Catalyst Characterization and Kinetics. ChemCatChem, 2017, 9, 677-684.	1.8	33
15	Silver Nanowire/Conducting Polymer Nanocomposite Electrochromic Supercapacitor Electrodes. Journal of the Electrochemical Society, 2017, 164, A721-A727.	1.3	39
16	Synergistic Effects in Bimetallic Palladiumâ€“Copper Catalysts Improve Selectivity in Oxygenate Coupling Reactions. Journal of the American Chemical Society, 2016, 138, 6805-6812.	6.6	94
17	A novel red to transmissive electrochromic polymer based on phenanthrocarbazole. RSC Advances, 2016, 6, 25620-25623.	1.7	19
18	A Novel Acetylcholinesterase Biosensor: Coreâ€“Shell Magnetic Nanoparticles Incorporating a Conjugated Polymer for the Detection of Organophosphorus Pesticides. ACS Applied Materials & Interfaces, 2016, 8, 8058-8067.	4.0	120

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19	Upgrading Lignocellulosic Products to Dropâ€in Biofuels via Dehydrogenative Crossâ€Coupling and Hydrodeoxygenation Sequence. ChemSusChem, 2015, 8, 2609-2614.	3.6	31
20	Novel pathways for fuels and lubricants from biomass optimized using life-cycle greenhouse gas assessment. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7645-7649.	3.3	101
21	Production of an acetone-butanol-ethanol mixture from Clostridium acetobutylicum and its conversion to high-value biofuels. Nature Protocols, 2015, 10, 528-537.	5.5	77
22	Chemocatalytic Upgrading of Tailored Fermentation Products Toward Biodiesel. ChemSusChem, 2014, 7, 2445-2448.	3.6	54
23	Extraordinary Modes of Bonding Enabled by the Triquinane Framework. Journal of Organic Chemistry, 2013, 78, 9579-9583.	1.7	5
24	Extreme Oxatriquinanes: Structural Characterization of Î±-Oxyoxonium Species with Extraordinarily Long Carbonâ€“Oxygen Bonds. Journal of the American Chemical Society, 2013, 135, 8173-8176.	6.6	13
25	Synthesis of N-substituted Pyrido[4,3-d]pyrimidines for the Large-Scale Production of Self-Assembled Rosettes and Nanotubes. Journal of Organic Chemistry, 2013, 78, 11421-11426.	1.7	14
26	Extreme oxatriquinanes and a record Câ€“O bond length. Nature Chemistry, 2012, 4, 1018-1023.	6.6	48
27	The R₃O⁺Â·Â·Â·H⁺ Hydrogen Bond: Toward a Tetracoordinate Oxadionium(2+) Ion. Journal of the American Chemical Society, 2012, 134, 707-714.	6.6	39
28	Electrochromic conjugated polyheterocycles and derivativesâ€”highlights from the last decade towards realization of long lived aspirations. Chemical Communications, 2012, 48, 1083-1101.	2.2	239
29	A low-band gap conductive copolymer of bis-3-hexylthiophene substituted 4-tert-butylphenyl quinoxaline and 3,4-ethylenedioxythiophene. Journal of Solid State Electrochemistry, 2010, 14, 279-283.	1.2	8
30	A quinoxaline derivative as a long wavelength photosensitizer for diaryliodonium salts. Journal of Polymer Science Part A, 2010, 48, 209-213.	2.5	56
31	A green neutral state donorâ€“acceptor copolymer for organic solar cells. Polymer Chemistry, 2010, 1, 1245.	1.9	10
32	Highly Conjugated Thiophene Derivatives as New Visible Light Sensitive Photoinitiators for Cationic Polymerization. Macromolecules, 2010, 43, 101-106.	2.2	75
33	Green as it Gets; Donorâ€Acceptor type Polymers as the Key to Realization of RGB Based Polymer Display Devices. Macromolecular Symposia, 2010, 297, 79-86.	0.4	16
34	Electrochromic properties of a copolymer of 1â€4â€di[2,5â€di(2â€thienyl)â€1Hâ€1â€pyrrolyl]benzene with EDOT. Journal of Applied Polymer Science, 2009, 112, 1082-1087.	1.3	19
35	A new p- and n-dopable selenophene derivative and its electrochromic properties. Organic Electronics, 2009, 10, 34-41.	1.4	49
36	One polymer for all: benzotriazole containing donorâ€“acceptor type polymer as a multi-purpose material. Chemical Communications, 2009, , 6768.	2.2	111

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37	Synthesis, characterization and electrochromic properties of a near infrared active conducting polymer of 1,4-di(selenophen-2-yl)-benzene. Polymer, 2008, 49, 2029-2032.	1.8	41
38	A new donorâ€acceptor type polymeric material from a thiophene derivative and its electrochromic properties. Journal of Polymer Science Part A, 2008, 46, 3723-3731.	2.5	34
39	A Unique Processable Green Polymer with a Transmissive Oxidized State for Realization of Potential RGBâ€Based Electrochromic Device Applications. Advanced Functional Materials, 2008, 18, 2026-2030.	7.8	120
40	Could Green be Greener? Novel Donorâ€“Acceptorâ€Type Electrochromic Polymers: Towards Excellent Neutral Green Materials with Exceptional Transmissive Oxidized States for Completion of RGB Color Space. Advanced Materials, 2008, 20, 691-695.	11.1	189
41	Photovoltaic and photophysical properties of a novel bis-3-hexylthiophene substituted quinoxaline derivative. Solar Energy Materials and Solar Cells, 2008, 92, 1162-1169.	3.0	30
42	Both p- and n-type dopable polymer toward electrochromic applications. Organic Electronics, 2008, 9, 501-506.	1.4	35
43	Processable and multichromic polymer of bis-3-hexylthiophene substituted 4-tert-butylphenyl quinoxaline. Organic Electronics, 2008, 9, 296-302.	1.4	22
44	Donorâˆ’Acceptor Polymer with Benzotriazole Moiety: Enhancing the Electrochromic Properties of the â€œDonor Unitâ€. Chemistry of Materials, 2008, 20, 7510-7513.	3.2	143
45	New, Highly Stable Electrochromic Polymers from 3,4-Ethylenedioxythiopheneâˆ’Bis-Substituted Quinoxalines toward Green Polymeric Materials. Chemistry of Materials, 2007, 19, 6247-6251.	3.2	119
46	New conjugated materials containing cyano substituents for light-emitting diodes. Synthetic Metals, 2006, 156, 282-286.	2.1	11