

# Teketel Yohannes

## List of Publications by Year in descending order

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27  
papers

642  
citations

840776

11  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodiode performance and nanostructure of polythiophene/C60blends. <i>Advanced Materials</i> , 1997, 9, 1164-1168.	21.0	183
2	Photoelectrochemical studies of the junction between poly[3-(4-octylphenyl)thiophene] and a redox polymer electrolyte. <i>Solar Energy Materials and Solar Cells</i> , 1998, 51, 193-202.	6.2	94
3	Electrochemical and spectroscopic characteristics of copolymers electrochemically synthesized from 3-methylthiophene and 3,4-ethylenedioxy thiophene. <i>Synthetic Metals</i> , 1997, 88, 15-21.	3.9	48
4	Polymer-electrolyte-based photoelectrochemical solar energy conversion with poly(3-methylthiophene) photoactive electrode. <i>Synthetic Metals</i> , 1996, 82, 215-220.	3.9	46
5	Mobility and photovoltaic performance studies on polymer blends: effects of side chains volume fraction. <i>Journal of Materials Chemistry</i> , 2011, 21, 2594-2600.	6.7	40
6	All-solid-state photoelectrochemical energy conversion with the conjugated polymer poly[3-(4-octylphenyl)-2,5-bithiophene]. <i>Synthetic Metals</i> , 1999, 107, 97-105.	3.9	31
7	Photoelectrochemical Energy Conversion at the Conjugated Polymer/Redox Polymer Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , 1996, 143, 2310-2314.	2.9	27
8	Worldwide outdoor round robin study of organic photovoltaic devices and modules. <i>Solar Energy Materials and Solar Cells</i> , 2014, 130, 281-290.	6.2	23
9	Investigation of photodegradation in polymer solar cells blended with different fullerenes derivatives. <i>Solar Energy Materials and Solar Cells</i> , 2014, 123, 150-158.	6.2	21
10	Role of additives and surface passivation on the performance of perovskite solar cells. <i>Materials for Renewable and Sustainable Energy</i> , 2022, 11, 47-70.	3.6	18
11	Solid-state photoelectrochemical device based on poly(3-hexylthiophene) and an ion conducting polymer electrolyte, amorphous poly(ethylene oxide) complexed with I <sub>3</sub> <sup>-</sup> /I <sup>-</sup> redox couple. <i>Solar Energy Materials and Solar Cells</i> , 2004, 83, 301-310.	6.2	14
12	Application of hybrid electrocoagulation and electrooxidation process for treatment of wastewater from the cotton textile industry. <i>Chemosphere</i> , 2022, 302, 134706.	8.2	14
13	Photoelectrochemical solar energy conversion based on blend of poly(3-hexylthiophene) and fullerene. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 3508-3519.	6.2	11
14	Effect of solvent additives and P3HT on PDTSTTz/PCBM-based bulk heterojunction solar cells. <i>Journal of Photonics for Energy</i> , 2015, 5, 057209.	1.3	11
15	Investigation of hole-mobility in a polyfluorene copolymer by admittance spectroscopy. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	9
16	Tuning the properties of an anthracene-based PPE-PPV copolymer by fine variation of its macromolecular parameters. <i>RSC Advances</i> , 2013, 3, 6972.	3.6	9
17	Investigation of cotton textile industry wastewater treatment with electrocoagulation process: performance, mineralization, and kinetic study. <i>Water Science and Technology</i> , 2022, 85, 1549-1567.	2.5	9
18	Polymer electrolytes in optical devices. <i>Electrochimica Acta</i> , 1998, 43, 1615-1621.	5.2	8

#	ARTICLE	IF	CITATIONS
19	Bis-EH-PFDTBT:PCBM solar cells: A compositional, thickness, and light-dependent study. Journal of Applied Physics, 2011, 110, 113106.	2.5	7
20	In situ FTIR spectroelectrochemical characterization of n- and p-dopable phenyl-substituted polythiophenes. Physical Chemistry Chemical Physics, 2009, 11, 6283.	2.8	5
21	A comparative study on liquid-state photoelectrochemical cells based on poly(3-hexylthiophene) and a composite film of poly(3-hexylthiophene) and nanocrystalline titanium dioxide. Synthetic Metals, 2007, 157, 75-79.	3.9	4
22	Effect of Side Chains on Charge Transport of Anthracene-Based PPE-PPV Copolymers. Macromolecular Chemistry and Physics, 2014, 215, 452-457.	2.2	4
23	Effect of Varying Thiophene Units on Charge Transport and Photovoltaic Properties of Poly(phenylene) Tj ETQq1 1 0.784314 rgBT /Ov 215, 1473-1484.	2.2	3
24	Hole-transport properties of a low-band gap alternating polyfluorene. Journal of Applied Physics, 2010, 108, 023709.	2.5	2
25	Synthesis and optical and transport properties of a phenyl-substituted polythiophene. Journal of Polymer Science Part A, 2011, 49, 2693-2699.	2.3	1
26	Infrared Photospectroelectrochemistry of Germanium/Pedot/Electrolyte Interfaces. Materials Research Society Symposia Proceedings, 1999, 598, 345.	0.1	0
27	In Situ Attenuated Total Reflection FTIR Spectroelectrochemistry Of Polybenzimidazobenzophenanthroline (BBL). Materials Research Society Symposia Proceedings, 1999, 598, 355.	0.1	0