

# Canan Varlikli

## List of Publications by Year in descending order

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69  
papers

1,517  
citations

361413

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330143

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all docs

69  
docs citations

69  
times ranked

2154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible Range Activated Metal Oxide Photocatalysts in New and Emerging Energy Applications. Green Chemistry and Sustainable Technology, 2022, , 787-815.	0.7	1
2	Hybridized Nanomaterials for Enhancing Photocatalytic Activity in Solar Fuel Production. Green Chemistry and Sustainable Technology, 2022, , 817-861.	0.7	2
3	Photocatalytic activity of dye-sensitized and non-sensitized GO-TiO <sub>2</sub> nanocomposites under simulated and direct sunlight. International Journal of Applied Ceramic Technology, 2022, 19, 425-435.	2.1	6
4	Influence of Cation Size and Polarity on Charge Transport in Ionic Liquid Based Electrolytes. Israel Journal of Chemistry, 2022, 62, .	2.3	3
5	Perylene Based Solution Processed Single Layer WOLED with Adjustable CCT and CRI. Electronics (Switzerland), 2021, 10, 725.	3.1	5
6	Silylethynyl Substitution for Preventing Aggregate Formation in Perylene Diimides. Journal of Physical Chemistry C, 2021, 125, 13041-13049.	3.1	15
7	1-Octanol Is a Functional Impurity Modifying Particle Size and Photophysical Properties of Colloidal ZnCdSSe/ZnS Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 14401-14408.	3.1	1
8	Electroluminescence Properties and Stability of Super Yellow on ZAZ and ITO Anodes. , 2021, , .		0
9	Dispersion stability of amine modified graphene oxides and their utilization in solution processed blue OLED. Chemical Engineering Journal, 2020, 381, 122716.	12.7	10
10	Enhancing the efficiency of mixed halide mesoporous perovskite solar cells by introducing amine modified graphene oxide buffer layer. Renewable Energy, 2020, 146, 1659-1666.	8.9	28
11	Navigating CIE Space for Efficient TADF Downconversion WOLEDs. Dyes and Pigments, 2020, 183, 108707.	3.7	13
12	Structural Stability of Physisorbed Air-Oxidized Decanethiols on Au(111). Journal of Physical Chemistry C, 2020, 124, 11977-11984.	3.1	9
13	Reducing the Efficiency Roll Off and Applied Potential-Induced Color Shifts in CdSe@ZnS/ZnS-Based Light-Emitting Diodes. Journal of Physical Chemistry C, 2020, 124, 14847-14854.	3.1	4
14	Enhanced capacitive behaviour of graphene based electrochemical double layer capacitors by etheric substitution on ionic liquids. Journal of Power Sources, 2020, 467, 228353.	7.8	19
15	Perylene-embedded electrospun PS fibers for white light generation. Dyes and Pigments, 2019, 160, 501-508.	3.7	27
16	Soluble Cytotoxic Ruthenium(II) Complexes with 2-Hydrazinopyridine. Russian Journal of Inorganic Chemistry, 2019, 64, 742-754.	1.3	2
17	Contribution of O <sub>2</sub> plasma treatment and amine modified GOs on film properties of conductive PEDOT:PSS: Application in indium tin oxide free solution processed blue OLED. Current Applied Physics, 2019, 19, 910-916.	2.4	6
18	Fabrication and Characterization of a Solution Processed Flexible Thermal Sensor by Using Chemically Synthesized GO and rGO. , 2019, , .		1

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19	White LED light production using dibromoperylene derivatives in down conversion of energy. Canadian Journal of Physics, 2018, 96, 734-739.	1.1	10
20	P3HT-graphene bilayer electrode for Schottky junction photodetectors. Nanotechnology, 2018, 29, 145502.	2.6	21
21	Highly efficient supercapacitor using single-walled carbon nanotube electrodes and ionic liquid incorporated solid gel electrolyte. High Performance Polymers, 2018, 30, 971-977.	1.8	26
22	Synthesis, photophysical and electrochemical properties of novel carbazole-triazine based high triplet energy, solution-processable materials. Dyes and Pigments, 2018, 159, 92-99.	3.7	7
23	Synthesis, characterization and molecular modeling of new ruthenium(II) complexes with nitrogen and nitrogen/oxygen donor ligands. Arabian Journal of Chemistry, 2017, 10, 389-397.	4.9	20
24	Controlling the distribution of oxygen functionalities on GO and utilization of PEDOT:PSS-GO composite as hole injection layer of a solution processed blue OLED. Current Applied Physics, 2017, 17, 565-572.	2.4	19
25	Triboluminescent Electrospun Mats with Blue-Green Emission under Mechanical Force. Journal of Physical Chemistry C, 2017, 121, 11709-11716.	3.1	14
26	High photoresponse from solution processed conventional and inverted ultraviolet photodetectors. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 4208-4217.	1.4	1
27	Solution processable neutral state colourless electrochromic devices: effect of the layer thickness on the electrochromic performance. Journal of Materials Chemistry C, 2016, 4, 10090-10094.	5.5	21
28	Perspectives for solid biopolymer electrolytes in dye sensitized solar cell and battery application. Renewable and Sustainable Energy Reviews, 2016, 65, 1098-1117.	16.4	106
29	Tetraphenylsilane group containing carbazoles as high triplet energy host materials for solution-processable PhOLEDs. Turkish Journal of Chemistry, 2015, 39, 917-929.	1.2	2
30	Solution processable graphene oxide hole transport layers and their application in P3HT:HHPER active layer based BHJSC. Turkish Journal of Physics, 2015, 39, 254-263.	1.1	1
31	Efficiency enhancement in a single emission layer yellow organic light emitting device: Contribution of CIS/ZnS quantum dot. Thin Solid Films, 2015, 589, 153-160.	1.8	19
32	Studies on UV-vis and fluorescence changes in Co <sup>2+</sup> and Cu <sup>2+</sup> recognition by a new benzimidazole-benzothiadiazole derivative. Sensors and Actuators B: Chemical, 2015, 209, 853-863.	7.8	29
33	Comparative studies of pyridine and bipyridine ruthenium dye complexes with different side groups as sensitizers in sol-gel quasi-solid-state dye sensitized solar cells. Electrochimica Acta, 2015, 160, 227-234.	5.2	17
34	Conventional and Inverted UV-PDs Based on Solution Processed PFE:ZnO Active Layer. IEEE Photonics Technology Letters, 2015, 27, 537-540.	2.5	7
35	Oxygen Sensing Properties of Embedded Amphiphilic Ruthenium(II) Derivatives in Presence of Silver Nanoparticles. Sensor Letters, 2015, 13, 802-812.	0.4	1
36	An ultraviolet photodetector with an active layer composed of solution processed polyfluorene:Zn <sub>0.71</sub> Cd <sub>0.29</sub> S hybrid nanomaterials. Applied Surface Science, 2014, 305, 227-234.	6.1	8

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37	N-doped titania powders prepared by different nitrogen sources and their application in quasi-solid state dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2014, 38, 908-917.	4.5	16
38	Structural and optical properties of new yellow emitting iridium(III) complexes and their application as an active layer component in white organic light-emitting diodes. <i>RSC Advances</i> , 2014, 4, 46831-46839.	3.6	6
39	Synthesis, characterization and photophysical properties of iridium complexes with amidinate ligands. <i>Journal of Organometallic Chemistry</i> , 2014, 772-773, 68-78.	1.8	8
40	Preparation of dye sensitized titanium oxide nanoparticles for solar cell applications. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1688-1694.	4.0	11
41	Synthesis and characterization of novel series of Fe(II)-mixed ligand complexes involving 2,2'-bipyridyl ligand. <i>Dyes and Pigments</i> , 2013, 99, 1056-1064.	3.7	17
42	Solution-Processed Polyfluorene:Naphthalenediimide/N-Doped TiO <sub>2</sub> Hybrids for Ultraviolet Photodetector Applications. <i>Journal of Electronic Materials</i> , 2013, 42, 3502-3511.	2.2	7
43	A new 1-(2-pyridinyl)pyridin-(2E)-ylidene ruthenium complex as sensitizer for a dye-sensitized solar cell. <i>Journal of Coordination Chemistry</i> , 2013, 66, 1384-1395.	2.2	9
44	Highly Efficient Organic UV Photodetectors Based on Polyfluorene and Naphthalenediimide Blends: Effect of Thermal Annealing. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-11.	2.5	15
45	Highly efficient MEH-PPV-POSS based PLEDs through optimization of charge transport. <i>Synthetic Metals</i> , 2012, 162, 621-629.	3.9	5
46	Highly efficient orange-red electroluminescence from a single layer MEH-PPV-POSS:Cd <sub>0.75</sub> Se <sub>0.25</sub> hybrid PLED. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 921-928.	3.5	7
47	Electroluminescence from two new ruthenium(II) complexes as phosphorescent dopant: Positive effect of swallow-tail bipyridyl ligand. <i>Dyes and Pigments</i> , 2012, 95, 23-32.	3.7	19
48	Enhanced electroluminescence from MEH-PPV-POSS:CuInS <sub>2</sub> nanocomposite based organic light emitting diode. <i>Synthetic Metals</i> , 2011, 161, 196-202.	3.9	13
49	White Light Electroluminescence by Organic-Inorganic Heterostructures with CdSe Quantum Dots as Red Light Emitters. <i>Advances in Optical Technologies</i> , 2011, 2011, 1-8.	0.8	6
50	The use of a perylenediimide derivative as a dopant in hole transport layer of an organic light emitting device. <i>Applied Surface Science</i> , 2011, 257, 6089-6094.	6.1	12
51	Characterizations and photocatalytic activity comparisons of N-doped nc-TiO <sub>2</sub> depending on synthetic conditions and structural differences of amine sources. <i>Energy</i> , 2011, 36, 1243-1254.	8.8	76
52	The synthesis and characterization of 2-(2'-pyridyl)benzimidazole heteroleptic ruthenium complex: Efficient sensitizer for molecular photovoltaics. <i>Dyes and Pigments</i> , 2010, 84, 88-94.	3.7	28
53	The synthesis of 1,8-naphthalimide groups containing imidazolium salts/ionic liquids using I <sup>+</sup> , PF <sub>6</sub> <sup>-</sup> , TFSI <sup>-</sup> anions and their photophysical, electrochemical and thermal properties. <i>Dyes and Pigments</i> , 2010, 86, 206-216.	3.7	22
54	Role of side groups in pyridine and bipyridine ruthenium dye complexes for modulated surface photovoltage in nanoporous TiO <sub>2</sub> . <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 686-690.	6.2	25

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55	Solar and Environmental Degradation Effect on Tensile Strength and Glass Transition Temperature of Glass Fibre Reinforced Plastic Laminates. <i>Polymers and Polymer Composites</i> , 2010, 18, 345-349.	1.9	0
56	Adsorption of dyes on Sahara desert sand. <i>Journal of Hazardous Materials</i> , 2009, 170, 27-34.	12.4	63
57	Optical and electrochemical properties of polyether derivatives of perylene diimides adsorbed on nanocrystalline metal oxide films. <i>Organic Electronics</i> , 2008, 9, 757-766.	2.6	32
58	Synthesis of an amphiphilic ruthenium complex with swallow-tail bipyridyl ligand and its application in nc-DSC. <i>Inorganica Chimica Acta</i> , 2008, 361, 671-676.	2.4	24
59	Photooxidation studies with perylene diimides in solution, PVC and sol-gel thin films under concentrated sun light. <i>Solar Energy</i> , 2005, 78, 5-17.	6.1	15
60	Characterization of N,N'-bis-2-(1-hydroxy-4-methylpentyl)-3,4,9,10-perylene bis (dicarboximide) sensitized nanocrystalline TiO <sub>2</sub> solar cells with polythiophene hole conductors. <i>Solar Energy Materials and Solar Cells</i> , 2005, 88, 11-21.	6.2	79
61	A study on photophysical properties of some Vitamin K3 derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 162, 283-288.	3.9	7
62	Studies on photophysical and electrochemical properties of synthesized hydroxy perylene diimides in nanostructured titania thin films. <i>Synthetic Metals</i> , 2004, 145, 51-60.	3.9	38
63	Photophysical and photochemical characteristics of an azlactone dye in sol-gel matrix; a new fluorescent pH indicator. <i>Dyes and Pigments</i> , 2003, 56, 125-133.	3.7	47
64	A comparative study of the photophysical properties of perylene diimides in liquid phase, PVC and sol-gel host matrices. <i>Dyes and Pigments</i> , 2003, 56, 135-143.	3.7	22
65	Study of heavy metal pollution and speciation in Buyak Menderes and Gediz river sediments. <i>Water Research</i> , 2003, 37, 813-822.	11.3	298
66	Fluorescence emission and photooxidation studies with 5,6- and 6,7-benzocoumarins and a 5,6-benzochromone under direct and concentrated sun light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 153, 173-184.	3.9	35
67	Photoinduced energy-electron transfer studies with naphthalene diimides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 135, 103-110.	3.9	65
68	A comparative study on the sorption and desorption of Hg, Th and U on clay. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 214, 51-66.	1.5	9
69	The Effect of Imide Substituents on the Excited State Properties of Perylene Diimide Derivatives. , 0, , .		0