

# Muhammet E Kose

## List of Publications by Year in descending order

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44  
papers

5,661  
citations

236925

25  
h-index

289244

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g-index

44  
all docs

44  
docs citations

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times ranked

8535  
citing authors

#	ARTICLE	IF	CITATIONS
1	How to Predict Excited State Geometry by Using Empirical Parameters Obtained from Franck-Condon Analysis of Optical Spectrum. <i>ChemPhysChem</i> , 2021, 22, 2078-2092.	2.1	2
2	Precursor vapor deposited perovskite solar cells with smooth absorber layer. <i>Materials Science in Semiconductor Processing</i> , 2020, 107, 104813.	4.0	0
3	Prediction of Internal Reorganization Energy in Photoinduced Electron Transfer Processes of Molecular Dyads. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9478-9486.	2.5	12
4	Theoretical Estimation of Donor Strength of Common Conjugated Units for Organic Electronics. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5566-5573.	2.5	7
5	Highly sensitive and reusable mercury (II) sensor based on fluorescence quenching of pyrene moiety in polyacrylamide-based cryogel. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 362-368.	7.8	27
6	Pyrophosphate Sensor Based on Principal Component Analysis of Conjugated Polyelectrolyte Fluorescence. <i>ACS Omega</i> , 2016, 1, 648-655.	3.5	19
7	Impact of solution casting temperature on power conversion efficiencies of bulk heterojunction organic solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 318, 51-55.	3.9	2
8	Simulations of singlet exciton diffusion in organic semiconductors: a review. <i>RSC Advances</i> , 2015, 5, 8432-8445.	3.6	45
9	Synthesis and electrical characterization of Graphene Oxide films. <i>Thin Solid Films</i> , 2015, 590, 118-123.	1.8	11
10	Simulations of Exciton Diffusion and Trapping in Semicrystalline Morphologies of Poly(3-hexylthiophene). <i>Journal of Physical Chemistry C</i> , 2014, 118, 5756-5761.	3.1	16
11	Morphology and dispersion of polycarbazole wrapped carbon nanotubes. <i>RSC Advances</i> , 2013, 3, 20492.	3.6	9
12	Amplified quenching of conjugated polymer nanoparticle photoluminescence for robust measurement of exciton diffusion length. <i>Journal of Applied Physics</i> , 2013, 113, 203707.	2.5	6
13	Intramolecular Triplet Energy Transfer in Anthracene-Based Platinum Acetylide Oligomers. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9025-9033.	2.6	35
14	Effective Solubilization of Single-Walled Carbon Nanotubes in THF Using PEGylated Corannulene Dispersant. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 3500-3503.	8.0	12
15	Theoretical Study of Torsional Disorder in Poly(3-alkylthiophene) Single Chains: Intramolecular Charge-Transfer Character and Implications for Photovoltaic Properties. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3869-3876.	2.5	23
16	Evaluation of Acceptor Strength in Thiophene Coupled Donor-Acceptor Chromophores for Optimal Design of Organic Photovoltaic Materials. <i>Journal of Physical Chemistry A</i> , 2012, 116, 12503-12509.	2.5	118
17	Quinoxaline-Based Semiconducting Polymers: Effect of Fluorination on the Photophysical, Thermal, and Charge Transport Properties. <i>Macromolecules</i> , 2012, 45, 6380-6389.	4.8	61
18	Synthesis, photophysics, and photovoltaic properties of low-band gap conjugated polymers based on thieno[3,4-c]pyrrole-4,6-dione: a combined experimental and computational study. <i>RSC Advances</i> , 2012, 2, 642-651.	3.6	31

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19	Evaluation of Excitonic Coupling and Charge Transport Integrals in P3HT Nanocrystal. Journal of Physical Chemistry C, 2011, 115, 13076-13082.	3.1	27
20	Low Band Gap Star-Shaped Molecules Based on Benzothia(oxa)diazole for Organic Photovoltaics. Journal of Physical Chemistry C, 2011, 115, 15097-15108.	3.1	22
21	A polythiophene derivative bearing TEMPO as a cathode material for rechargeable batteries. European Polymer Journal, 2011, 47, 2283-2294.	5.4	92
22	Theoretical prediction of ionization/oxidation potentials in conjugated polymers. Theoretical Chemistry Accounts, 2011, 128, 157-164.	1.4	10
23	An activated scheme for resonance energy transfer in conjugated materials. Journal of Chemical Physics, 2011, 135, 244512.	3.0	6
24	Triphenylamine-based star-shaped absorbers with tunable energy levels for organic photovoltaics. , 2010, , .		0
25	Charge Transport Simulations in Conjugated Dendrimers. Journal of Physical Chemistry A, 2010, 114, 4388-4393.	2.5	43
26	Conjugated Thiophene Dendrimer with an Electron-Withdrawing Core and Electron-Rich Dendrons: How the Molecular Structure Affects the Morphology and Performance of Dendrimer:Fullerene Photovoltaic Devices. Journal of Physical Chemistry C, 2010, 114, 22269-22276.	3.1	27
27	Numerical Formulation of the Effective Medium Approximation: Illustrative Examples and Application to Organic Semiconductors. Materials Research Society Symposia Proceedings, 2009, 1177, 25.	0.1	0
28	Exciton Migration in Conjugated Dendrimers: A Joint Experimental and Theoretical Study. ChemPhysChem, 2009, 10, 3285-3294.	2.1	31
29	Structure-Dependent Photophysics of First-Generation Phenyl-Cored Thiophene Dendrimers. Chemistry of Materials, 2009, 21, 287-297.	6.7	27
30	Low-bandgap thiophene dendrimers for improved light harvesting. Journal of Materials Chemistry, 2009, 19, 5311.	6.7	46
31	Reversible Switching between Molecular and Charge Transfer Phases in a Liquid Crystalline Organic Semiconductor. Chemistry of Materials, 2008, 20, 5235-5239.	6.7	38
32	Radical Ion States of Platinum Acetylide Oligomers. Journal of Physical Chemistry B, 2007, 111, 10871-10880.	2.6	32
33	Theoretical Studies on Conjugated Phenyl-Cored Thiophene Dendrimers for Photovoltaic Applications. Journal of the American Chemical Society, 2007, 129, 14257-14270.	13.7	190
34	Excited-state energy transfers in single-walled carbon nanotubes functionalized with tethered pyrenes. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 94-100.	3.9	14
35	Triplet Excited State in Platinum <sup>II</sup> Acetylide Oligomers: Triplet Localization and Effects of Conformation. Journal of Physical Chemistry B, 2007, 111, 929-940.	2.6	101
36	Efficient Quenching of Photoluminescence from Functionalized Single-Walled Carbon Nanotubes by Nitroaromatic Molecules. Journal of Physical Chemistry B, 2006, 110, 14032-14034.	2.6	31

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37	Photophysics of Platinum <sup>II</sup> Acetylide Substituted Hexa-peri-hexabenzocoronenes. <i>Inorganic Chemistry</i> , 2006, 45, 2509-2519.	4.0	52
38	Quantum-Sized Carbon Dots for Bright and Colorful Photoluminescence. <i>Journal of the American Chemical Society</i> , 2006, 128, 7756-7757.	13.7	4,049
39	Preparation and Spectroscopic Properties of Multiluminophore Luminescent Oxygen and Temperature Sensor Films. <i>Langmuir</i> , 2005, 21, 9121-9129.	3.5	125
40	Principal Component Analysis Calibration Method for Dual-Luminophore Oxygen and Temperature Sensor Films: A Application to Luminescence Imaging. <i>Langmuir</i> , 2005, 21, 9110-9120.	3.5	38
41	Morphology and Oxygen Sensor Response of Luminescent Ir-Labeled Poly(dimethylsiloxane)/Polystyrene Polymer Blend Films. <i>Langmuir</i> , 2005, 21, 8255-8262.	3.5	38
42	Solvent-Induced Self-Assembly of a Meta-Linked Conjugated Polyelectrolyte. Helix Formation, Guest Intercalation, and Amplified Quenching. <i>Advanced Materials</i> , 2004, 16, 1208-1212.	21.0	118
43	Does the Donor <sup>π</sup> Acceptor Concept Work for Designing Synthetic Metals? 2. Theoretical Investigation of Copolymers of 4-(Dicyanomethylene)-4H-cyclopenta[2,1-b:3,4-b <sup>π</sup> ]dithiophene and 3,4-(Ethylenedioxy)thiophene. <i>Journal of Physical Chemistry B</i> , 2002, 106, 9221-9226.	2.6	68
44	Influence of Top Layer Composition on the Photovoltaic Parameters of P3HT:PCBM Organic Solar Cells. <i>Sakarya University Journal of Science</i> , 0, , 257-264.	0.7	0