

# Ayman Ayoub Abdel-Shafi

## List of Publications by Year in descending order

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40  
papers

1,262  
citations

331538

21  
h-index

360920

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent polarity indicators based on bithiophene carboxamide hydrochloride salt derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 404, 112933.	2.0	5
2	Luminescence Quenching of Ru(II)-Diimine Complexes with Cr(VI) Ions: Steady-State and Time-Resolved Studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, , 113635.	2.0	2
3	In-situ formation of geopolymer foams through addition of silica fume: Preparation and sinterability. <i>Materials Chemistry and Physics</i> , 2020, 239, 121998.	2.0	33
4	Effects on the photophysical properties of naphthylamine derivatives upon their inclusion in cyclodextrin nanocavities. <i>Journal of Molecular Liquids</i> , 2020, 311, 113319.	2.3	6
5	Effect of nano sand on the properties of metakaolin-based geopolymer: Study on its low rate sintering. <i>Construction and Building Materials</i> , 2020, 246, 118486.	3.2	37
6	Photophysical properties and fluorosolvatochromism of D- $\beta$ -A thiophene based derivatives. <i>RSC Advances</i> , 2020, 10, 43459-43471.	1.7	11
7	Solvatochromic behavior of D- $\beta$ -A bithiophene carbonitrile derivatives. <i>Journal of Molecular Liquids</i> , 2019, 286, 110856.	2.3	11
8	Solvatochromism of 1-naphthol-4-sulfonate photoacid and its encapsulation in cyclodextrin derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 369, 202-211.	2.0	15
9	Photoacids as singlet oxygen photosensitizers: Direct determination of the excited state acidity by time-resolved spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 819-825.	2.0	10
10	Antiprotozoal agents as water soluble singlet oxygen photosensitizers: Imidazo[1,2-a]pyridine and 5,6,7,8-tetrahydro-imidazo[1,2-a]pyridine derivatives. <i>Journal of Luminescence</i> , 2017, 181, 164-170.	1.5	4
11	Effect of solvent and encapsulation in $\beta$ -cyclodextrin on the photophysical properties of 4-[5-(thiophen-2-yl)furan-2-yl]benzamide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 316, 52-61.	2.0	15
12	Luminescence quenching of [Os(bpy) <sub>3</sub> ] <sup>2+</sup> by Mn <sup>7+</sup> , Cr <sup>6+</sup> and Ce <sup>4+</sup> ions in acidic aqueous solution. <i>Journal of Luminescence</i> , 2014, 155, 282-287.	1.5	4
13	Partial charge transfer contribution to the solvent isotope effect and photosensitized generation of singlet oxygen, O <sub>2</sub> ( <sup>1</sup> g), by substituted ruthenium(ii) bipyridyl complexes in aqueous media. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1330-1337.	1.6	15
14	Spectroscopic studies on the inclusion complex formation between 7-iodo-8-hydroxyquinoline-5-sulfonic acid and $\beta$ -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 67, 7-11.	1.6	3
15	Fluorescence enhancement of 1-naphthol-5-sulfonate by forming inclusion complex with $\beta$ -cyclodextrin in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 533-537.	2.0	34
16	Factors Affecting the Efficiency of Excited-States Interactions of Complexes between Some Visible Light-Emitting Lanthanide Ions and Cyclophanes Containing Spirobiindanol Phosphonates. <i>International Journal of Photoenergy</i> , 2007, 2007, 1-7.	1.4	5
17	Photosensitized generation of singlet oxygen from rhenium(i) and iridium(iii) complexes. <i>Dalton Transactions</i> , 2007, , 2510.	1.6	73
18	Mechanism of quenching by oxygen of the excited states of ruthenium(ii) complexes in aqueous media. Solvent isotope effect and photosensitized generation of singlet oxygen, O <sub>2</sub> ( <sup>1</sup> g), by [Ru(diimine)(CN) <sub>4</sub> ] <sup>2-</sup> complex ions. <i>Dalton Transactions</i> , 2007, , 2517-2527.	1.6	36

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19	Photosensitized production of singlet oxygen and factors governing its decay in xenon and carbon dioxide supercritical fluids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 186, 263-269.	2.0	9
20	Spectroscopic studies on the inclusion complex of 2-naphthol-6-sulfonate with $\beta$ -cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 732-738.	2.0	34
21	Inclusion complex of 2-naphthylamine-6-sulfonate with $\beta$ -cyclodextrin: Intramolecular charge transfer versus hydrogen bonding effects. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 1228-1236.	2.0	25
22	Spectrophotometric Determination of Manganese by Using Redox Reaction of Tris(2,2'-bipyridine)osmium(II) with Mn <sup>7+</sup> . <i>Analytical Sciences</i> , 2006, 22, 825-828.	0.8	6
23	The temperature dependent electrical transport in biphenyl derivatives. <i>Current Applied Physics</i> , 2006, 6, 71-75.	1.1	3
24	Mechanism of the excited singlet and triplet states quenching by molecular oxygen in acetonitrile. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 172, 170-179.	2.0	57
25	Flow injection fluorimetric determination of chromium(VI) in electroplating baths by luminescence quenching of tris(2,2'-bipyridyl) ruthenium(II). <i>Talanta</i> , 2005, 67, 696-702.	2.9	21
26	Photosensitized generation of singlet oxygen from ruthenium(ii) and osmium(ii) bipyridyl complexes. <i>Dalton Transactions</i> , 2004, , 30.	1.6	77
27	Electronic to vibrational energy conversion and charge transfer contributions during quenching by molecular oxygen of electronically excited triplet states Dedicated to Professor Frank Wilkinson on the occasion of his retirement.. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 248-254.	1.3	43
28	Solvent effects on the photophysical properties of 9,10-dicyanoanthracene. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 161-167.	1.3	36
29	Ruthenium, osmium and rhodium-2,3-bis(2'-pyridyl)quinoxaline complexes. <i>Transition Metal Chemistry</i> , 2002, 27, 69-74.	0.7	21
30	Charge-Transfer and Non-Charge-Transfer Processes Competing in the Sensitization of Singlet Oxygen: Formation of O <sub>2</sub> ( <sup>1</sup> g <sup>+</sup> ), O <sub>2</sub> ( <sup>1</sup> g <sup>-</sup> ), and O <sub>2</sub> ( <sup>3</sup> g <sup>-</sup> ) during Oxygen Quenching of Triplet Excited Naphthalene Derivatives. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1811-1817.	1.1	45
31	Factors Affecting the Rate of Decay of the First Excited Singlet State of Molecular Oxygen O <sub>2</sub> ( <sup>1</sup> g <sup>-</sup> ) in Supercritical Fluid Carbon Dioxide. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1270-1276.	1.1	32
32	Effect of $\beta$ -cyclodextrin on the excited state proton transfer in 1-naphthol-2-sulfonate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 1819-1828.	2.0	36
33	On the efficiency of the photosensitized production of singlet oxygen in water suspensions of a tris(bipyridyl)ruthenium(II) complex covalently bound to an insoluble hydrophilic polymer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 138, 65-68.	2.0	21
34	Singlet oxygen formation efficiencies following quenching of excited singlet and triplet states of aromatic hydrocarbons by molecular oxygen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 142, 133-143.	2.0	48
35	Photosensitized production of singlet oxygen, ( <sup>1</sup> O <sub>2</sub> ), in the unique 'heavy-atom' solvent, supercritical fluid xenon. Pressure dependence of electronic to vibrational energy conversion during quenching of ( <sup>1</sup> O <sub>2</sub> ) by xenon and by ground state oxygen. <i>Chemical Physics Letters</i> , 2001, 343, 273-280.	1.2	13
36	Charge Transfer Effects on the Efficiency of Singlet Oxygen Production Following Oxygen Quenching of Excited Singlet and Triplet States of Aromatic Hydrocarbons in Acetonitrile. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5747-5757.	1.1	92

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37	Photosensitized generation of singlet oxygen from ruthenium(II)-substituted benzoaza-crown-bipyridine complexes. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3137-3144.	1.3	38
38	Photosensitized Generation of Singlet Oxygen from Vinyl Linked Benzo-Crown-Ether $\pi$ -Bipyridyl Ruthenium(II) Complexes. <i>Journal of Physical Chemistry A</i> , 2000, 104, 192-202.	1.1	117
39	Mechanism of Quenching of Triplet States by Molecular Oxygen: $\pi$ -Biphenyl Derivatives in Different Solvents. <i>Journal of Physical Chemistry A</i> , 1999, 103, 5425-5435.	1.1	79
40	Mechanism of Quenching of Triplet States by Oxygen: $\pi$ -Biphenyl Derivatives in Acetonitrile. <i>Journal of Physical Chemistry A</i> , 1997, 101, 5509-5516.	1.1	90