

Bilal R Kaafarani

List of Publications by Year in descending order

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62
papers

2,362
citations

218677

26
h-index

206112

48
g-index

65
all docs

65
docs citations

65
times ranked

3343
citing authors

#	ARTICLE	IF	CITATIONS
1	Mentoring in Times of Crisis and Beyond. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202201063.	13.8	2
2	Columnar Mesomorphism of Board-Shaped Perylene, Diketopyrrolopyrrole, Isoindigo, Indigo, and Quinoxalino-Phenanthrophenazine Dyes. <i>ChemPlusChem</i> , 2021, 86, 319-339.	2.8	4
3	Fiber Composites of Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2020, 32, 7120-7140.	6.7	82
4	Perception, attitude, practice and barriers towards medical research among undergraduate students. <i>BMC Medical Education</i> , 2020, 20, 195.	2.4	43
5	<i>Non scholae sed vitae</i>; Teaching Beyond Classroom Walls Through Group Mentoring. <i>Science Journal of Education</i> , 2020, 8, 114.	0.2	2
6	Bis(tercarbazole) pyrene and tetrahydropyrene derivatives: photophysical and electrochemical properties, theoretical modeling, and OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5009-5018.	5.5	16
7	Self-Assembly of Board-Shaped Diketopyrrolopyrrole and Isoindigo Mesogens into Columnar Stacks. <i>ChemPlusChem</i> , 2019, 84, 103-106.	2.8	3
8	Transformative Education: Students in the Spotlight - A Holistic Pedagogical Approach. <i>Science Journal of Education</i> , 2019, 7, 107.	0.2	3
9	Spectroscopic characterization of the structural properties of quinoxalinophenanthrophenazine thin films. <i>Journal of Materials Chemistry C</i> , 2018, 6, 781-789.	5.5	5
10	Perspective on carbazole-based organic compounds as emitters and hosts in TADF applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8622-8653.	5.5	262
11	Medical Research Volunteer Program (MRVP): innovative program promoting undergraduate research in the medical field. <i>BMC Medical Education</i> , 2016, 16, 160.	2.4	19
12	Mixed-Valence Cations of Di(carbazol-9-yl) Biphenyl, Tetrahydropyrene, and Pyrene Derivatives. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3156-3166.	3.1	19
13	Tetraaryl pyrenes: photophysical properties, computational studies, crystal structures, and application in OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3041-3058.	5.5	37
14	Dithieno[3,2-a:2',3'-c]phenazine-based chemical probe for anions: a spectroscopic study of binding. <i>RSC Advances</i> , 2015, 5, 43303-43311.	3.6	4
15	Highly porous and photoluminescent pyrene-quinoxaline-derived benzimidazole-linked polymers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3006-3010.	10.3	16
16	International Organic Chemistry Competition: A Thrilling, Unique Experience. <i>Journal of Chemical Education</i> , 2015, 92, 401-404.	2.3	7
17	Crystalline TQPP as p-type semiconductor: X-ray crystallographic investigation, OTFT device, and computational analysis of transport properties. <i>Journal of Molecular Structure</i> , 2015, 1093, 144-149.	3.6	19
18	Lateral extension induces columnar mesomorphism in crucifix shaped quinoxalinophenanthrophenazines. <i>Tetrahedron</i> , 2015, 71, 308-314.	1.9	10

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19	Synthesis and binding investigations of novel crown-ether derivatives of phenanthro[4,5- <i>abc</i>]phenazine and quinoxalino[2,3- <i>9,10</i>]phenanthro[4,5- <i>abc</i>]phenazine. <i>Supramolecular Chemistry</i> , 2014, 26, 15-24.	1.2	7
20	Structural, Thermo-Optical, and Photophysical Properties of Highly Oriented Thin Films of Quinoxalinophenanthrophenazine Derivative. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18736-18745.	3.1	6
21	Diarylpyrenes vs. diaryltetrahydropyrenes: Crystal structures, fluorescence, and upconversion photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 272, 49-57.	3.9	13
22	Columnar Mesomorphism of Fluorescent Board-Shaped Quinoxalinophenanthrophenazine Derivatives with Donor-Acceptor Structure. <i>Organic Letters</i> , 2013, 15, 558-561.	4.6	45
23	Bis(carbazolyl) derivatives of pyrene and tetrahydropyrene: synthesis, structures, optical properties, electrochemistry, and electroluminescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1638.	5.5	77
24	Pyrene-directed growth of nanoporous benzimidazole-linked nanofibers and their application to selective CO ₂ capture and separation. <i>Journal of Materials Chemistry</i> , 2012, 22, 25409.	6.7	138
25	Fluorescent detection of anions by dibenzophenazine-based sensors. <i>Tetrahedron Letters</i> , 2012, 53, 661-665.	1.4	38
26	Discotic Liquid Crystals for Opto-Electronic Applications. <i>Chemistry of Materials</i> , 2011, 23, 378-396.	6.7	451
27	Two polymorphs of phenanthro[4,5- <i>abc</i>]phenazine-18-crown-6: Preparation, X-ray diffraction and DFT studies. <i>Journal of Molecular Structure</i> , 2011, 996, 141-147.	3.6	6
28	A combined study of mesomorphism, optical, and electronic properties of donor-acceptor columnar liquid crystals. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
29	End-capping of conjugated thiophene-benzene aromatic systems. <i>Tetrahedron</i> , 2010, 66, 8778-8784.	1.9	9
30	Novel quinoxalinophenanthrophenazine-based molecules as sensors for anions: synthesis and binding investigations. <i>Tetrahedron</i> , 2010, 66, 2944-2952.	1.9	32
31	Morphology and Photoelectrical Properties of Solution Processable Butylamine-Modified Graphene- and Pyrene-Based Organic Semiconductor. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11252-11257.	3.1	17
32	From crystals to columnar liquid crystal phases: molecular design, synthesis and phase structure characterization of a series of novel phenazines potentially useful in photovoltaic applications. <i>Soft Matter</i> , 2010, 6, 100-112.	2.7	55
33	Effect of Chain Length on the Photophysical Properties of Pyrene-Based Molecules Substituted with Extended Chains. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1244-1249.	2.5	26
34	Phase Transitions and Structures of Novel Pyrenes Potentially Useful in Photovoltaic Applications. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5403-5411.	2.6	23
35	Synthesis and Detailed Photophysical Studies of Pyrene-Based Molecules Substituted with Extended Chains. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1235-1243.	2.5	30
36	Synthesis and metal-binding studies of a novel pyrene discotic. <i>Tetrahedron Letters</i> , 2008, 49, 238-242.	1.4	30

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37	Photoluminescent and electroluminescent properties and ultra-fast spectrometric studies of dihydroheptacenes. <i>Organic Electronics</i> , 2008, 9, 227-233.	2.6	1
38	Thin Film Microstructure of a Solution Processable Pyrene-Based Organic Semiconductor. <i>Chemistry of Materials</i> , 2008, 20, 5743-5749.	6.7	44
39	A Comparative Study of Charge Mobility Measurements in a Diamine and in a Hexaazatrinaphthylene Using Different Techniques. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 481, 80-93.	0.9	18
40	Thin film microstructure of solution processable pyrene-based small molecules for electronic applications. , 2007, , .		0
41	Multiphase Growth and Electronic Structure of Ultrathin Hexaazatrinaphthylene on Au(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 10493-10497.	3.1	24
42	Synthesis, Ionisation Potentials and Electron Affinities of Hexaazatrinaphthylene Derivatives. <i>Chemistry - A European Journal</i> , 2007, 13, 3537-3547.	3.3	88
43	Synthesis of novel pyrene discotics for potential electronic applications. <i>Tetrahedron Letters</i> , 2007, 48, 5995-5998.	1.4	51
44	Non-merohedral twin crystal of 2,3,9,10-tetrakis(trimethylsilylethynyl)-6,13-bis(trimethylsilylethynyl)pentacene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3760-o3761.	0.2	0
45	Altering the Emission Behavior with the Turn of a Thiophene Ring: The Photophysics of Condensed Ring Systems of Alternating Benzenes and Thiophenes. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13754-13758.	2.5	29
46	New organic semiconductors and their device performance as a function of thiophene orientation. <i>Journal of Materials Chemistry</i> , 2006, 16, 1121-1124.	6.7	55
47	Design, Synthesis, and Properties of New Derivatives of Pentacene. <i>Journal of Organic Chemistry</i> , 2006, 71, 2155-2158.	3.2	63
48	Vibronic Coupling in Organic Semiconductors: The Case of Fused Polycyclic Benzene-Thiophene Structures. <i>Chemistry - A European Journal</i> , 2006, 12, 2073-2080.	3.3	74
49	Isomer-pure synthesis and preparation of FET using thieno[f , f ']bis[1]benzothiophene (syn, anti). , 2005, , .		2
50	High Charge-Carrier Mobility in an Amorphous Hexaazatrinaphthylene Derivative. <i>Journal of the American Chemical Society</i> , 2005, 127, 16358-16359.	13.7	95
51	Synthesis of the anti and syn isomers of Thieno[f , f ']bis[1]benzothiophene. Comparison of the Optical and Electrochemical Properties of the anti and syn isomers. <i>Journal of Organic Chemistry</i> , 2005, 70, 4502-4505.	3.2	57
52	Efficient Isomer-Pure Synthesis of a Benzo[b]thiophene Analogue of Pentacene.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
53	Efficient Isomer-Pure Synthesis of a Benzo[b]thiophene Analogue of Pentacene. <i>Journal of Organic Chemistry</i> , 2004, 69, 2197-2199.	3.2	29
54	π-π Stacking and nitro-π-stacking interactions of 1-(4-nitrophenyl)-4-phenyl-2,4-bis(phenylethynyl)butadiene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003, 59, o227-o229.	0.2	15

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55	Synthesis of Silicon-Containing Unsaturated Polymers by Hydrosilylation Reactions. Photophysical Studies. <i>Macromolecules</i> , 2003, 36, 8225-8230.	4.8	40
56	Synthesis of Highly Fluorescent Y-Enyne Dendrimers with Four and Six Arms. <i>Journal of Organic Chemistry</i> , 2003, 68, 5377-5380.	3.2	26
57	Photoaddition Reactions of Acetylene and Butadiyne Derivatives to Benzodithiophene. <i>Journal of Organic Chemistry</i> , 2003, 68, 8258-8260.	3.2	16
58	Structural concept for fluorinated Y-enynes with solvatochromic properties. This paper is dedicated to Professor Dr J. W. Neckers on the occasion of his 100th birthday. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 942.	2.9	11
59	Photocyclization of a naphthyl substituted Y-enyne. <i>Tetrahedron Letters</i> , 2002, 43, 8227-8230.	1.4	10
60	High order stacking of a perfluoro Y-enyne. <i>Tetrahedron Letters</i> , 2001, 42, 8137-8139.	1.4	29
61	Photocyclization of a conjugated triaryl Y-enyne. <i>Tetrahedron Letters</i> , 2001, 42, 4099-4102.	1.4	28
62	Mentoring in Times of Crisis and Beyond. <i>Angewandte Chemie</i> , 0, , .	2.0	0