

Salman A Khan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4259271/publications.pdf>

Version: 2024-02-01

92
papers

1,715
citations

279798

23
h-index

361022

35
g-index

95
all docs

95
docs citations

95
times ranked

1448
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Anti-Bacterial Activities of a Bis-Chalcone Derived from Thiophene and Its Bis-Cyclized Products. <i>Molecules</i> , 2011, 16, 523-531.	3.8	79
2	Synthesis, spectral studies and in vitro antibacterial activity of steroidal thiosemicarbazone and their palladium (Pd (II)) complexes. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2270-2274.	5.5	78
3	Synthesis and Anti-Bacterial Activities of Some Novel Schiff Bases Derived from Aminophenazone. <i>Molecules</i> , 2010, 15, 6850-6858.	3.8	70
4	Synthesis and biological evaluation of some thiazolidinone derivatives of steroid as antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2597-2600.	5.5	60
5	Synthesis, characterization and optical properties of mono- and bis-chalcone. <i>Materials Letters</i> , 2011, 65, 1749-1752.	2.6	54
6	Synthesis, Characterization, and In Vitro Antibacterial Activities of Macromolecules Derived from Bis-Chalcone. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 1434-1438.	2.6	47
7	Multi-step synthesis, photophysical and physicochemical investigation of novel pyrazoline a heterocyclic D-π-A chromophore as a fluorescent chemosensor for the detection of Fe ³⁺ metal ion. <i>Journal of Molecular Structure</i> , 2020, 1211, 128084.	3.6	47
8	Synthesis, Characterization, Absorbance, Fluorescence and Non Linear Optical Properties of Some Donor Acceptor Chromophores. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 1900-1906.	1.9	44
9	Synthesis, spectroscopic and physicochemical investigations of environmentally benign heterocyclic Schiff base derivatives as antibacterial agents on the bases of in vitro and density functional theory. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 120, 82-89.	3.8	43
10	Synthesis and evaluation of Quinoline-3-carbonitrile derivatives as potential antibacterial agents. <i>Bioorganic Chemistry</i> , 2019, 88, 102968.	4.1	43
11	Ultrasound-assisted synthesis and photophysical investigation of a heterocyclic alkylated chalcone: a sensitive and selective fluorescent chemosensor for Fe ³⁺ in aqueous media. <i>Journal of Coordination Chemistry</i> , 2020, 73, 2987-3002.	2.2	43
12	Synthesis and photophysical investigation of (BTHN) Schiff base as off-on Cd ²⁺ fluorescent chemosensor and its live cell imaging. <i>Journal of Molecular Liquids</i> , 2021, 328, 115407.	4.9	41
13	Microwave assisted synthesis of chalcone and its polycyclic heterocyclic analogues as promising antibacterial agents: In vitro, in silico and DFT studies. <i>Journal of Molecular Structure</i> , 2019, 1190, 77-85.	3.6	37
14	Synthesis and photophysical investigation of novel imidazole derivative an efficient multimodal chemosensor for Cu(II) and fluoride ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 406, 113022.	3.9	37
15	Synthesis, characterization and in vitro antibacterial activity of new steroidal 5-en-3-oxazolo and thiazoloquinoxaline. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 2040-2044.	5.5	34
16	Palladium(II) Complexes of NS Donor Ligands Derived from Steroidal Thiosemicarbazones as Antibacterial Agents. <i>Molecules</i> , 2010, 15, 4784-4791.	3.8	34
17	Green Synthesis, Spectrofluorometric Characterization and Antibacterial Activity of Heterocyclic Compound from Chalcone on the Basis of in Vitro and Quantum Chemistry Calculation. <i>Journal of Fluorescence</i> , 2017, 27, 929-937.	2.5	31
18	Synthesis, characterization and spectroscopic behavior of novel 2-oxo-1,4-disubstituted-1,2,5,6-tetrahydrobenzo[h]quinoline-3-carbonitrile dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 141-148.	3.9	30

#	ARTICLE	IF	CITATIONS
19	Physicochemical properties of novel methyl 2-[(E)-[(2-hydroxynaphthalen-1-yl)methylidene]amino]-4,5,6,7-tetrahydro-1-benzothiophene-3-carboxylate as turn-off fluorometric chemosensor for detection Fe ³⁺ ion. <i>Journal of Molecular Liquids</i> , 2017, 243, 85-90.	4.9	29
20	Physicochemical and Photophysical investigation of newly synthesized carbazole containing pyrazoline-benzothiazole as fluorescent chemosensor for the detection of Cu ²⁺ , Fe ³⁺ & Fe ²⁺ metal ion. <i>Journal of Molecular Structure</i> , 2019, 1195, 670-680.	3.6	29
21	Spectral, stoichiometric ratio, physicochemical, polarity and photostability studies of newly synthesized chalcone dye in organized media. <i>Journal of Luminescence</i> , 2013, 136, 296-302.	3.1	28
22	Microwave assisted synthesis, spectroscopic studies and non linear optical properties of bis-chromophores. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 1100-1105.	3.9	27
23	Synthesis of steroidal thiazolidinones as antibacterial agents based on the in vitro and quantum chemistry calculation. <i>Medicinal Chemistry Research</i> , 2013, 22, 1998-2004.	2.4	25
24	Green synthesis, characterization and biological evaluation of novel chalcones as anti bacterial agents. <i>Arabian Journal of Chemistry</i> , 2017, 10, S2890-S2895.	4.9	25
25	Spectral characteristics of 4-(p-N,N-dimethyl-aminophenylmethylene)-2-phenyl-5-oxazolone (DPO) in different media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 679-684.	3.9	24
26	N-Trifluoroacetylated pyrazolines: Synthesis, characterization and antimicrobial studies. <i>Bioorganic Chemistry</i> , 2020, 99, 103842.	4.1	23
27	Spectral properties and micellization of 1-(2,5-Dimethyl-thiophen-3-yl)-3-(2,4,5-trimethoxy-phenyl)-propenone (DTTP) in different media. <i>Journal of Luminescence</i> , 2013, 134, 819-824.	3.1	22
28	Microwave Assisted Synthesis, Spectrofluorometric Characterization of Azomethine as Intermediate for Transition Metal Complexes with Biological Application. <i>Journal of Fluorescence</i> , 2016, 26, 937-947.	2.5	22
29	Spectroscopic studies and laser activity of 3-(4-dimethylamino-phenyl)-1-(2,5-dimethyl-furan-3-yl)-propenone (DDFP): A new green laser dye. <i>Journal of Luminescence</i> , 2013, 137, 6-14.	3.1	21
30	Synthesis, characterization and determination of third-order optical nonlinearity by cw z-scan technique of novel thiobarbituric acid derivative dyes. <i>Materials Letters</i> , 2015, 144, 131-134.	2.6	21
31	Microwave-assisted Synthesis, Characterization, and Density Functional Theory Study of Biologically Active Ferrocenyl Bis-pyrazoline and Bis-pyrimidine as Organometallic Macromolecules. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 312-318.	2.6	20
32	Cyclization of chalcones into N-propionyl pyrazolines for their single crystal X-ray, computational and antibacterial studies. <i>Journal of Molecular Structure</i> , 2020, 1201, 127186.	3.6	20
33	Multi-Step Synthesis, Physicochemical investigation and optical properties of pyrazoline derivative: A Donor-Acceptor chromophore. <i>Journal of Molecular Structure</i> , 2021, 1227, 129667.	3.6	19
34	Synthesis and <i>In Vitro</i> Antibacterial Activity of Novel Steroidal (6R)-Spiro[1,3,4]-thiadiazoline Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 1452-1457.	2.6	18
35	Physicochemical Investigation of HDDP Azomethine Dye as Turn-On Fluorescent Chemosensor for High Selectivity and Sensitivity of Al ³⁺ Ions. <i>Journal of Solution Chemistry</i> , 2018, 47, 1711-1724.	1.2	18
36	Multi-step synthesis, spectroscopic studies of biological active steroidal thiosemicarbazones and their palladium (II) complex as macromolecules. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 105-111.	7.5	17

#	ARTICLE	IF	CITATIONS
37	Design and synthesis of novel pyrazoline derivatives for their spectroscopic, single crystal X-ray and biological studies. Journal of Molecular Structure, 2021, 1234, 130131.	3.6	17
38	The new pyrazoline derivative 3-(3,4-Dimethoxyphenyl)-2,5-dimethylthiophene-3-yl)-4,5-dihydro-1H-pyrazole-1-carbothioic acid amide (DDPA) an advisable candidate for optical linearity, nonlinearity, and limiting performance. Journal of Molecular Liquids, 2022, 345, 117018.	4.9	17
39	Synthesis, Characterization, Electrochemical Studies, and In Vitro Antibacterial Activity of Novel Thiosemicarbazone and Its Cu(II), Ni(II), and Co(II) Complexes. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	16
40	Physicochemical and Nonlinear Optical Properties of Novel Environmentally Benign Heterocyclic Azomethine Dyes: Experimental and Theoretical Studies. PLoS ONE, 2016, 11, e0161613.	2.5	16
41	Multistep Synthesis of Fluorine-Substituted Pyrazolopyrimidine Derivatives With Higher Antibacterial Efficacy Based on <i>In Vitro</i> Molecular Docking and Density Functional Theory. Journal of Heterocyclic Chemistry, 2017, 54, 3099-3107.	2.6	16
42	Synthesis and spectroscopic studies of Ru(II) complexes of steroidal thiosemicarbazones by multi step reaction: As anti-bacterial agents. Steroids, 2017, 124, 23-28.	1.8	16
43	Synthesis of novel steroidal oxazolo quinoxaline as antibacterial agents. Arabian Journal of Chemistry, 2011, 4, 349-354.	4.9	15
44	Synthesis and biological evaluation of new oxime-ether derivatives of steroid as anti-bacterial agents. Journal of Saudi Chemical Society, 2012, 16, 7-11.	5.2	15
45	Microwave assisted one-pot synthesis, photophysical and physicochemical studies of novel biologically active heterocyclic Donor (D)-Acceptor (A) chromophore. Bioorganic Chemistry, 2021, 112, 104964.	4.1	15
46	Photophysical parameters and laser activity of 3-(4-dimethylamino-phenyl)-1-(2,5-dimethylthiophen-3-yl)-1H-pyrazole-4,5-dihydro-1H-pyrazole-1-carbothioic acid amide (DDPA) Overlock 10 Tf 50 387 Td (5-dimethylamino-2-methyl-6-methylthiophen-3-yl)-1H-pyrazole-4,5-dihydro-1H-pyrazole-1-carbothioic acid amide (DDPA) 2013, 45, 605-612.	4.6	14
47	Multistep Synthesis and Photophysical Investigation of Novel Pyrazoline, a Heterocyclic Donor-Acceptor Chromophore (PTPB) as a Fluorescent Chemosensor for the Detection of Fe ³⁺ Metal Ion. Polycyclic Aromatic Compounds, 2022, 42, 1186-1200.	2.6	14
48	Green-synthesis, characterization, photostability and polarity studies of novel schiff base dyes using spectroscopic methods. Russian Journal of Bioorganic Chemistry, 2012, 38, 533-538.	1.0	13
49	Eco-friendly synthesis and in vitro antibacterial activities of some novel chalcones. Russian Journal of Bioorganic Chemistry, 2013, 39, 312-317.	1.0	13
50	Photophysical investigation of (D-A) DMHP dye: Dipole moments, photochemical quantum yield and fluorescence quantum yield, by solvatochromic shift methods and DFT studies. Journal of Molecular Structure, 2017, 1128, 636-644.	3.6	13
51	Effect of Medium Acidity and Photostability of 3-(4-Dimethylamino-phenyl)-1-(2,5-dimethylthiophen-3-yl)-propanone (DDTP): A New Green Emitting Laser Dye. Chinese Journal of Chemistry, 2011, 29, 2557-2561.	4.9	13
52	Synthesis and Spectroscopic Studies of Ru(II) Complexes of 1,2,4-Triazoles, 1,2,4-Triazines and Pyrimidine Derivatives. Asian Journal of Chemistry, 2013, 25, 7779-7782.	0.3	12
53	Novel Steroidal Spiro[1,3]-thiadiazoline Derivatives as Anti-bacterial Agents. Chinese Journal of Chemistry, 2012, 30, 1901-1905.	4.9	11
54	Physicochemical, photophysical investigation and micellization of 1-(2,5-dimethylfuran-3-yl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one (DFTP) dye by fluorophotometry. Journal of Molecular Liquids, 2016, 216, 423-428.	4.9	11

#	ARTICLE	IF	CITATIONS
55	Single X-ray crystal and spectroscopic investigation of novel biologically active donor-acceptor chalcones as specific application for opto-electronics and photonics. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 457-464.	5.3	11
56	Optical properties and fluorescence quenching of carbazole containing (D-A) push-pull chromophores by silver nanoparticles: a detailed insight via an experimental and theoretical approach. <i>RSC Advances</i> , 2017, 7, 8402-8414.	3.6	11
57	Synthesis of Nitrogen Containing Chalcone: A Highly Sensitive and Selective Fluorescent Chemosensor for the Fe ³⁺ Metal Ion in Aqueous Media. <i>Journal of Fluorescence</i> , 2020, 30, 969-974.	2.5	11
58	Physicochemical and Critical Micelle Concentration (CMC) of Cationic (CATB) and Anionic (SDS) Surfactants with Environmentally Benign Blue Emitting TTQC Dye. <i>Journal of Fluorescence</i> , 2015, 25, 1595-1599.	2.5	10
59	Fluorescence quenching of environmentally benign highly fluorescence donor (D)-acceptor (A)-donor (D) quinoline dye by silver nanoparticles and anionic surfactant in liquid stage. <i>Journal of Molecular Liquids</i> , 2016, 221, 381-385.	4.9	10
60	Synthesis, Spectrofluorometric Studies, Micellization and non Linear Optical Properties of Blue Emitting Quinoline (AMQC) Dye. <i>Journal of Fluorescence</i> , 2016, 26, 559-566.	2.5	10
61	Photophysical and Physicochemical Investigation of Newly Synthesized Polycyclic Pyrazoline-Benzothiazole as Fluorescence Chemosensor for the Detection of Cu ²⁺ Metal Ion. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 576-592.	2.6	10
62	2-Benzenesulfonamidobenzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1246-o1247.	0.2	10
63	One-pot synthesis, physicochemical and photophysical properties of deep blue light-emitting highly fluorescent pyrene-imidazole dye: A combined experimental and theoretical study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 390-399.	3.9	9
64	Thiazolidinone: A structural motif of great synthetic and biological importance. <i>Journal of Molecular Structure</i> , 2022, 1250, 131771.	3.6	9
65	Synthesis, Characterization, Molecular Docking and Antimicrobial Activity of Novel Spiropyrrolidine Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 5385-5397.	2.6	8
66	Spectroscopic investigation of novel donor-acceptor chromophores as specific application agents for opto-electronics and photonics. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 392-397.	5.2	7
67	Optical properties of novel environmentally benign biologically active ferrocenyl substituted chromophores: A detailed insight via experimental and theoretical approach. <i>Journal of Molecular Structure</i> , 2017, 1139, 137-148.	3.6	7
68	Electrochemical Studies of Some Carbazole Derivatives via Cyclic Voltammetry and Convolution deconvolution Transforms. <i>Journal of New Materials for Electrochemical Systems</i> , 2011, 14, 251-258.	0.6	7
69	One pot synthesis, physicochemical and photophysical investigation of biologically active pyridine-3-carboxylate (ECPC) as probe to determine CMC of surfactants in organized media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 543, 38-45.	4.7	6
70	Synthesis and biological evaluation of novel triazolyl 4-anilinoquinazolines as anticancer agents. <i>Medicinal Chemistry Research</i> , 2019, 28, 1766-1772.	2.4	6
71	Microwave assisted synthesis, spectroscopic and photophysical properties of novel pyrazol-3-one containing push-pull chromophore. <i>Journal of Molecular Structure</i> , 2020, 1202, 127103.	3.6	6
72	Multifunctional switches based on bis-imidazole derivative. <i>Journal of Chemical Sciences</i> , 2009, 121, 983-987.	1.5	5

#	ARTICLE	IF	CITATIONS
73	One Pot Synthesis, Photophysical and X-ray Studies of Novel Highly Fluorescent Isoquinoline Derivatives with Higher Antibacterial Efficacy Based on the In-vitro and Density Functional Theory. Journal of Fluorescence, 2015, 25, 503-518.	2.5	5
74	Physicochemical Investigation of 2,4,5-Trimethoxybenzylidene Propanedinitrile (TMPN) Dye as Fluorescence off-on Probe for Critical Micelle Concentration (CMC) of SDS and CTAB. Journal of Fluorescence, 2015, 25, 1749-1755.	2.5	5
75	Bioactive Macrocyclic Ni(II) Metal Complex: Synthesis, Spectroscopic Elucidation, and Antimicrobial Studies. Polycyclic Aromatic Compounds, 2019, , 1-16.	2.6	5
76	Synthesis, Single X-ray Crystal, Spectroscopic and Photophysical Studies of Novel Heterocyclic Chalcones with Their Biological Application. Journal of Fluorescence, 2015, 25, 825-834.	2.5	4
77	One-Pot Synthesis, Spectroscopic and Physicochemical Studies of Quinoline Based Blue Emitting Donor-Acceptor Chromophores with Their Biological Application. Journal of Fluorescence, 2015, 25, 1203-1213.	2.5	4
78	Investigation of Spectroscopic Behaviors of Newly Synthesized (2E)-3-(3,4-Dimethoxyphenyl)-1-(2,5-dimethylthiophen-3-yl)prop-2-en-1-one (DDTP) Dye. Journal of Fluorescence, 2013, 23, 1271-1278.	2.5	3
79	Microwave Assisted Synthesis, Physicochemical, Photophysical, Single Crystal X-ray and DFT Studies of Novel Push-Pull Chromophores. Journal of Fluorescence, 2015, 25, 1585-1593.	2.5	3
80	An Efficient Ultrasonic-Assisted Synthesis and Nonlinear Optical Property of Donor (D) -Acceptor (A) Chalcone (DDFP). Zeitschrift Fur Physikalische Chemie, 2020, 234, 145-152.	2.8	3
81	Synthesis of N-Methylspiropyrrolidine Hybrids for Their Structural Characterization, Biological and Molecular Docking Studies. Polycyclic Aromatic Compounds, 2023, 43, 2430-2443.	2.6	3
82	Optical properties and fluorescence quenching of biologically active ethyl 4-(4-N,N-dimethylamino) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 determine CMC of surfactants. RSC Advances, 2016, 6, 102218-102225.	3.6	2
83	Microwave Assisted Synthesis, Optical Properties and Physicochemical Investigations on the Powerful Fluorophore: Donor (D) -Acceptor (A) Chalcone. Journal of Fluorescence, 2016, 26, 2133-2140.	2.5	2
84	Multi-step Synthesis, Characterization and Photophysical Investigation of Novel Biologically Active Heterocyclic Chalcone (AECO). Journal of Fluorescence, 2021, 31, 1823-1831.	2.5	2
85	Multi-Step Synthesis, Photophysical and Physicochemical Properties of Novel Push-Pull AADC Chromophores. Polycyclic Aromatic Compounds, 2023, 43, 1219-1231.	2.6	2
86	Physicochemical Investigation, Fluorescence Quenching and Micellization of Ethyl 4-(2,4,5-trimethoxyphenyl)-2-methyl-5-oxo-4,5-dihydro-1H-indeno[1,2-b]pyridine-3-carboxylate (EIPC) in Organized Media. Journal of Solution Chemistry, 2016, 45, 1115-1129.	1.2	1
87	Crystal structure of 8,8-di-p-tolyl-8-biacenaphtho[1,2-d]imidazole, C ₄₀ H ₂₆ N ₄ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 457-459.	0.3	1
88	Crystal structure of 4,4,5,5-tetraphenyl-2,2-di-p-tolyl-2-biacenaphtho[1,2-d]imidazole, C ₄₄ H ₃₄ N ₄ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 465-467.	0.3	1
89	Anthracen-9-ylmethylene-(3,4-dimethylisoxazol-5-yl)amine. MolBank, 2011, 2011, M736.	0.5	0
90	Optical and Photophysical Investigation of (2E)-1-(2,5-Dimethylfuran-3-yl)-3-(9-Ethyl-9H-Carbazol-3-yl)Prop-2-en-1-One (DEPO) by Spectrofluorometer in Organized Medium. Journal of Fluorescence, 2017, 27, 1487-1494.	2.5	0

#	ARTICLE	IF	CITATIONS
91	Spectroscopic, Photophysical Investigation and Micellization for Critical Micelle Concentration of 3-(3,4-Dimethoxyphenyl)-1-(2,5-Dimethylfuran-3-Yl)Prop-2-En-1-One Dye. Journal of Applied Spectroscopy, 2017, 84, 687-693.	0.7	0
92	The crystal structure of (<i>E</i>)-3-(4-(dimethylamino)styryl)-5,5-dimethylcyclohex-2-en-1-one, C ₁₈ H ₂₃ NO. Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 953-955.	0.3	0