

Salman A Khan

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93
papers

1,219
citations

20
h-index

29
g-index

95
ext. papers

1,453
ext. citations

3.2
avg, IF

5.36
L-index

#	Paper	IF	Citations
93	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, 2270-4	6.8	72
92	Synthesis and anti-bacterial activities of a bis-chalcone derived from thiophene and its bis-cyclized products. <i>Molecules</i> , 2011 , 16, 523-31	4.8	63
91	Synthesis and biological evaluation of some thiazolidinone derivatives of steroid as antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2009 , 44, 2597-600	6.8	55
90	Synthesis and anti-bacterial activities of some novel Schiff bases derived from aminophenazone. <i>Molecules</i> , 2010 , 15, 6850-8	4.8	52
89	Synthesis, characterization and optical properties of mono- and bis-chalcone. <i>Materials Letters</i> , 2011 , 65, 1749-1752	3.3	45
88	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, 82-9	6.7	39
87	Synthesis, Characterization, and In Vitro Antibacterial Activities of Macromolecules Derived from Bis-Chalcone. <i>Journal of Heterocyclic Chemistry</i> , 2012 , 49, 1434-1438	1.9	39
86	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	1.2	35
85	Synthesis and evaluation of Quinoline-3-carbonitrile derivatives as potential antibacterial agents. <i>Bioorganic Chemistry</i> , 2019 , 88, 102968	5.1	31
84	Multi-step synthesis, photophysical and physicochemical investigation of novel pyrazoline a heterocyclic D-BA chromophore as a fluorescent chemosensor for the detection of Fe ³⁺ metal ion. <i>Journal of Molecular Structure</i> , 2020 , 1211, 128084	3.4	30
83	Palladium(II) complexes of NS donor ligands derived from steroidal thiosemicarbazones as antibacterial agents. <i>Molecules</i> , 2010 , 15, 4784-91	4.8	28
82	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, 2040-4	6.8	28
81	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	2.4	24
80	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	1.6	24
79	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	3.4	23
78	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, 141-8	4.4	22
77	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	3.8	22

76	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	3.8	21
75	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, 1100-5	4.4	20
74	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, 679-844	4.4	20
73	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	2.2	19
72	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	4.7	19
71	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	3.8	18
70	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	6	17
69	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	3.3	16
68	Green synthesis, characterization and biological evaluation of novel chalcones as anti bacterial agents. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S2890-S2895	5.9	15
67	Microwave Assisted Synthesis, Spectrofluorometric Characterization of Azomethine as Intermediate for Transition Metal Complexes with Biological Application. <i>Journal of Fluorescence</i> , 2016 , 26, 937-47	2.4	15
66	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	7.9	14
65	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	6	14
64	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	1.9	14
63	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	3.4	13
62	Synthesis and biological evaluation of new oxime-ether derivatives of steroid as anti-bacterial agents. <i>Journal of Saudi Chemical Society</i> , 2012 , 16, 7-11	4.3	13
61	Synthesis and In Vitro Antibacterial Activity of Novel Steroidal (6R)-Spiro-1,3,4-thiadiazoline Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2012 , 49, 1452-1457	1.9	13
60	Photophysical parameters and laser activity of 3(4-dimethylamino-phenyl)-1-(2,5-dimethyl-thiophen-3-yl)-propenone (DDTP): A new potential laser dye. <i>Optics and Laser Technology</i> , 2013 , 45, 605-612	4.2	13
59	Synthesis of novel steroidal oxazolo quinoxaline as antibacterial agents. <i>Arabian Journal of Chemistry</i> , 2011 , 4, 349-354	5.9	13

58	Eco-friendly synthesis and in vitro antibacterial activities of some novel chalcones. <i>Russian Journal of Bioorganic Chemistry</i> , 2013 , 39, 353-7	1	12
57	Synthesis and Spectroscopic Studies of Ru(II) Complexes of 1,2,4-Triazoles, 1,2,4-Triazines and Pyrimidine Derivatives. <i>Asian Journal of Chemistry</i> , 2013 , 25, 7779-7782	0.4	12
56	Multistep Synthesis of Fluorine-Substituted Pyrazolopyrimidine Derivatives With Higher Antibacterial Efficacy Based on In Vitro Molecular Docking and Density Functional Theory. <i>Journal of Heterocyclic Chemistry</i> , 2017 , 54, 3099-3107	1.9	10
55	Photophysical investigation of (D- π A) DMHP dye: Dipole moments, photochemical quantum yield and fluorescence quantum yield, by solvatochromic shift methods and DFT studies. <i>Journal of Molecular Structure</i> , 2017 , 1128, 636-644	3.4	10
54	2-benzenesulfonamidobenzoic Acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o1246-7		10
53	Microwave assisted one-pot synthesis, photophysical and physicochemical studies of novel biologically active heterocyclic Donor (D)- π Acceptor (A) chromophore. <i>Bioorganic Chemistry</i> , 2021 , 112, 104964	5.1	10
52	Multi-Step Synthesis, Physicochemical investigation and optical properties of pyrazoline derivative: A Donor- π Acceptor chromophore. <i>Journal of Molecular Structure</i> , 2021 , 1227, 129667	3.4	10
51	Synthesis and spectroscopic studies of Ru(II) complexes of steroidal thiosemicarbazones by multi step reaction: As anti-bacterial agents. <i>Steroids</i> , 2017 , 124, 23-28	2.8	9
50	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, 1595-9	2.4	9
49	Synthesis, Spectrofluorometric Studies, Micellization and non Linear Optical Properties of Blue Emitting Quinoline (AMQC) Dye. <i>Journal of Fluorescence</i> , 2016 , 26, 559-66	2.4	9
48	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. <i>Journal of Molecular Liquids</i> , 2016 , 216, 423-428	6	9
47	Single X-ray crystal and spectroscopic investigation of novel biologically active donor- π 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	9
46	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	4.7	9
45	Green-synthesis, characterization, photostability and polarity studies of novel Schiff base dyes using spectroscopic methods. <i>Russian Journal of Bioorganic Chemistry</i> , 2012 , 38, 604-9	1	9
44	Novel Steroidal (6R)-Spiro-1,3,4-thiadiazoline Derivatives as Anti-bacterial Agents. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 1901-1905	4.9	9
43	Effect of Medium Acidity and Photostability of 3-(4-Dimethylamino-phenyl)-1-(2,5-dimethyl-thiophen-3-yl)-propenone (DDTP): A New Green Emitting Laser Dye. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 2557-2561	4.9	9
42	Physicochemical and Nonlinear Optical Properties of Novel Environmentally Benign Heterocyclic Azomethine Dyes: Experimental and Theoretical Studies. <i>PLoS ONE</i> , 2016 , 11, e0161613	3.7	9
41	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	3.4	9

40	Optical properties and fluorescence quenching of carbazole containing (D π A) push-pull chromophores by silver nanoparticles: a detailed insight via an experimental and theoretical approach. <i>RSC Advances</i> , 2017 , 7, 8402-8414	3.7	8
39	N-Trifluoroacetylated pyrazolines: Synthesis, characterization and antimicrobial studies. <i>Bioorganic Chemistry</i> , 2020 , 99, 103842	5.1	8
38	Synthesis, characterization, electrochemical studies, and in vitro antibacterial activity of novel thiosemicarbazone and its Cu(II), Ni(II), and Co(II) complexes. <i>Scientific World Journal, The</i> , 2014 , 2014, 592375	2.2	8
37	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	6	8
36	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	1.8	8
35	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	3.4	7
34	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	4.3	6
33	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	1.3	6
32	Multifunctional switches based on bis-imidazole derivative. <i>Journal of Chemical Sciences</i> , 2009 , 121, 983-987	2.8	5
31	Electrochemical Studies of Some Carbazole Derivatives via Cyclic Voltammetry and Convolution \square deconvolution Transforms. <i>Journal of New Materials for Electrochemical Systems</i> , 2011 , 14, 251-258	2.8	5
30	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	3.4	5
29	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. <i>Journal of Fluorescence</i> , 2015 , 25, 503-18	2.4	4
28	Physicochemical Investigation of 2,4,5-Trimethoxybenzylidene Propanedinitrile (TMPN) Dye as Fluorescence off-on Probe for Critical Micelle Concentration (CMC) of SDS and CTAB. <i>Journal of Fluorescence</i> , 2015 , 25, 1749-55	2.4	4
27	Synthesis of Nitrogen Containing Chalcone: A Highly Sensitive and Selective Fluorescent Chemosensor for the Fe Metal Ion in Aqueous Media. <i>Journal of Fluorescence</i> , 2020 , 30, 969-974	2.4	4
26	Synthesis and biological evaluation of novel triazolyl 4-anilinoquinazolines as anticancer agents. <i>Medicinal Chemistry Research</i> , 2019 , 28, 1766-1772	2.2	4
25	Synthesis, Characterization, Molecular Docking and Antimicrobial Activity of Novel Spiropyrrolidine Derivatives. <i>Polycyclic Aromatic Compounds</i> , 1-13	1.3	4
24	Bioactive Macrocyclic Ni(II) Metal Complex: Synthesis, Spectroscopic Elucidation, and Antimicrobial Studies. <i>Polycyclic Aromatic Compounds</i> , 2019 , 1-16	1.3	4
23	Synthesis, Single X-ray Crystal, Spectroscopic and Photophysical Studies of Novel Heterocyclic Chalcones with Their Biological Application. <i>Journal of Fluorescence</i> , 2015 , 25, 825-34	2.4	3

22	One-Pot Synthesis, Spectroscopic and Physicochemical Studies of Quinoline Based Blue Emitting Donor-Acceptor Chromophores with Their Biological Application. <i>Journal of Fluorescence</i> , 2015 , 25, 1203-1213	2.4	3
21	Microwave Assisted Synthesis, Physicochemical, Photophysical, Single Crystal X-ray and DFT Studies of Novel Push-Pull Chromophores. <i>Journal of Fluorescence</i> , 2015 , 25, 1585-93	2.4	3
20	Multistep Synthesis and Photophysical Investigation of Novel Pyrazoline, a Heterocyclic D- π -A Chromophore (PTPB) as a Fluorescent Chemosensor for the Detection of Fe ³⁺ Metal Ion. <i>Polycyclic Aromatic Compounds</i> , 2020 , 1-15	1.3	3
19	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	5.1	3
18	Design and synthesis of novel pyrazoline derivatives for their spectroscopic, single crystal X-ray and biological studies. <i>Journal of Molecular Structure</i> , 2021 , 1234, 130131	3.4	3
17	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. <i>Journal of Fluorescence</i> , 2013 , 23, 1271-8	2.4	2
16	Microwave Assisted Synthesis, Optical Properties and Physicochemical Investigations on the Powerful Fluorophore: Donor (D) - π -Acceptor (A) Chalcone. <i>Journal of Fluorescence</i> , 2016 , 26, 2133-2140	2.4	2
15	An Efficient Ultrasonic-Assisted Synthesis and Nonlinear Optical Property of Donor (D) - π -Acceptor (A) Chalcone (DDFP). <i>Zeitschrift Fur Physikalische Chemie</i> , 2020 , 234, 145-152	3.1	2
14	Crystal structure of 8,8'-di-p-tolyl-8'H-7,8'-biacenaphtho[1,2-d]imidazole, C ₄₀ H ₂₆ N ₄ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2019 , 234, 457-459	0.2	1
13	Thiazolidinone: A structural motif of great synthetic and biological importance. <i>Journal of Molecular Structure</i> , 2021 , 1250, 131771	3.4	1
12	The new pyrazoline derivative 5-(3,4-Dimethoxy-phenyl)-3-(2,5-dimethyl-thiophene-3-yl)-4,5-dihydro-pyrazole-1-carbothioic acid amide (DDPA) as an advisable candidate for optical linearity, nonlinearity, and limiting performance. <i>Journal of Molecular Liquids</i> , 2021 , 117018	6	1
11	Optical properties and fluorescence quenching of biologically active ethyl 4-(4-N,N-dimethylamino phenyl)-2-methyl-5-oxo-4,5-dihydro-1H-indeno[1,2-b]pyridine-3-carboxylate (DDPC) dye as a probe to determine CMC of surfactants. <i>RSC Advances</i> , 2016 , 6, 102218-102225	3.7	1
10	Crystal structure of 4,4',5,5'-tetraphenyl-2,2'-di-p-tolyl-2'H-1,2'-biimidazole, C ₄₄ H ₃₄ N ₄ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2019 , 234, 465-467	0.2	1
9	Multi-step Synthesis, Characterization and Photophysical Investigation of Novel Biologically Active Heterocyclic Chalcone (AECO). <i>Journal of Fluorescence</i> , 2021 , 31, 1823-1831	2.4	0
8	Synthesis of N-Methylspiropyrrolidine Hybrids for Their Structural Characterization, Biological and Molecular Docking Studies. <i>Polycyclic Aromatic Compounds</i> , 1-14	1.3	0
7	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. <i>Journal of Fluorescence</i> , 2017 , 27, 1487-1494	2.4	
6	Polymer/Inorganic Nanocomposite and Biosensors 2018 , 47-68		
5	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. <i>Journal of Applied Spectroscopy</i> , 2017 , 84, 687-693	0.7	

- 4 Anthracen-9-ylmethylene-(3,4-dimethylisoxazol-5-yl)amine. *MolBank*, **2011**, 2011, M736 0.5
- 3 Multi-Step Synthesis, Photophysical and Physicochemical Properties of Novel Push-Pull AADC Chromophores. *Polycyclic Aromatic Compounds*, 1-13 1.3
- 2 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 1.8
- 1 The crystal structure of (E)-3-(4-(dimethylamino)styryl)-5,5-dimethylcyclohex-2-en-1-one, C₁₈H₂₃NO. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2019**, 234, 953-955 0.2