

Mehboobali Pannipara

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9501229/publications.pdf>

Version: 2024-02-01

84
papers

1,446
citations

361388

20
h-index

414395

32
g-index

85
all docs

85
docs citations

85
times ranked

1525
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In silico</i> evaluation of NO donor heterocyclic vasodilators as SARS-CoV-2 M ^{pro} protein inhibitor. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 280-297.	3.5	3
2	PVP-assisted grass-like NiSe@ZnSe composite for environmental energy applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 8409-8416.	2.2	7
3	Design and <i>in silico</i> investigation of novel Maraviroc analogues as dual inhibition of CCR-5/SARS-CoV-2 M ^{pro} . <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11095-11110.	3.5	7
4	Binder-less and free-standing Co ²⁺ /Fe metal nanoparticles-decorated PVdF-HFP nanofiber membrane as an electrochemical probe for enzyme-less glucose sensors. <i>Research on Chemical Intermediates</i> , 2022, 48, 101-116.	2.7	11
5	A combination of experimental and TD-DFT investigations on the fluorescent detection of sulfite and bisulfite ions in aqueous solution via nucleophilic addition reaction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113668.	3.9	7
6	Highly enhanced dye adsorption of MoO ₃ nanoplates fabricated by hydrothermal-calcination approach in presence of chitosan and thiourea. <i>Chemosphere</i> , 2022, 291, 132926.	8.2	11
7	An indolinium-based chemo-dosimeter for highly selective dual-channel detection of cyanide ion: A combined experimental and theoretical investigations. <i>Journal of Molecular Structure</i> , 2022, 1251, 132081.	3.6	10
8	Exploring the Bioactive Potentials of C60-AgNPs Nano-Composites against Malignancies and Microbial Infections. <i>International Journal of Molecular Sciences</i> , 2022, 23, 714.	4.1	10
9	Green metallochromic cellulose dipstick for Fe(III) using chitosan nanoparticles and cyanidin-based natural anthocyanins red-cabbage extract. <i>International Journal of Biological Macromolecules</i> , 2022, 202, 269-277.	7.5	13
10	Pyridine nitrogen position controlled molecular packing and stimuli-responsive solid-state fluorescence switching: supramolecular complexation facilitated turn-on fluorescence. <i>CrystEngComm</i> , 2022, 24, 2642-2649.	2.6	8
11	<i>In silico</i> Investigation of Immunodominant Antigenic Regions, Helper T Lymphocyte, and Cytotoxic T Lymphocyte Epitopes Credentials for SARS-CoV-2 Vaccination. <i>Current Chinese Science</i> , 2022, 2, 226-242.	0.5	0
12	Computational Study on the Inhibitory Effect of Natural Compounds against the SARS-CoV-2 Proteins. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-19.	4.1	6
13	Critical role of nitric oxide in impeding COVID-19 transmission and prevention: a promising possibility. <i>Environmental Science and Pollution Research</i> , 2022, 29, 38657-38672.	5.3	10
14	<i>In silico</i> exploration of binding potentials of anti SARS-CoV-1 phytochemicals against main protease of SARS-CoV-2. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101453.	5.2	5
15	Knitting Two Donor-Acceptor AIEgens Using a Nonconjugated Linker: Tunable and Switchable Fluorescence and Fingerprinting and Live Cell Imaging Applications. <i>Crystal Growth and Design</i> , 2022, 22, 633-642.	3.0	10
16	3D CoMoO ₄ nanoflake arrays decorated disposable pencil graphite electrode for selective and sensitive enzyme-less electrochemical glucose sensors. <i>Mikrochimica Acta</i> , 2022, 189, 200.	5.0	7
17	Potential of NO donor furoxan as SARS-CoV-2 main protease (M ^{pro}) inhibitors: <i>in silico</i> analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 5804-5818.	3.5	21
18	Superior supercapacitive performance of Cu ₂ MnSnS ₄ asymmetric devices. <i>Nanoscale Advances</i> , 2021, 3, 486-498.	4.6	31

#	ARTICLE	IF	CITATIONS
19	Hierarchical MnS@MoS ₂ architectures on tea bag filter paper for flexible, sensitive, and selective non-enzymatic hydrogen peroxide sensors. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157103.	5.5	18
20	Molecular structure controlled self-assembly of pyridine appended fluorophores: multi-stimuli fluorescence responses and fabricating rewritable/self-erasable fluorescent platforms. <i>Materials Advances</i> , 2021, 2, 996-1005.	5.4	23
21	Recent advances in excited state intramolecular proton transfer mechanism-based solid state fluorescent materials and stimuli-responsive fluorescence switching. <i>CrystEngComm</i> , 2021, 23, 3771-3789.	2.6	45
22	Excited state absorption of Cu-doped barium borate nanostructures under nanopulsed laser excitation. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	5
23	Growth of ZnSe _x O _{1-x} Nanorods and Their Photoelectrochemical Properties. <i>Energy & Fuels</i> , 2021, 35, 6289-6297.	5.1	2
24	Quaternary Cu ₂ FeSnS ₄ /PVP/rGO Composite for Supercapacitor Applications. <i>ACS Omega</i> , 2021, 6, 9471-9481.	3.5	40
25	Cobalt-based derivatives oxygen evolution reaction. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1367-1378.	3.1	6
26	COVID-19 and Domestic Animals: Exploring the Species Barrier Crossing, Zoonotic and Reverse Zoonotic Transmission of SARS-CoV-2. <i>Current Pharmaceutical Design</i> , 2021, 27, 1194-1201.	1.9	16
27	Effect of cationic, anionic, and mixed surfactant role on manganese oxide nanoparticles for energy storage applications. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1769-1775.	3.1	5
28	Hydrothermal synthesis of Cu ₂ Se@CoSe nanograin for electrochemical supercapacitor applications. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1881-1888.	3.1	5
29	Preparation of NiCo ₂ O ₄ microspheres employing hydrothermal approach. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17060-17070.	7.1	8
30	Bi ₂ MoO ₆ hierarchical microflowers for electrochemical oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18719-18728.	7.1	8
31	NiMoO ₄ nanorods photocatalytic activity comparison under UV and visible light. <i>Environmental Research</i> , 2021, 197, 111073.	7.5	9
32	Influence of crystal size on structural, magnetic, mechanical, and dielectric properties of Ni-Cu-Zn nanoferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19786-19797.	2.2	1
33	Deciphering the detailed structure-activity relationship of coumarins as Monoamine oxidase enzyme inhibitors—An updated review. <i>Chemical Biology and Drug Design</i> , 2021, 98, 655-673.	3.2	33
34	An approach to enhance the photocatalytic activity of ZnTiO ₃ . <i>Ceramics International</i> , 2021, 47, 18122-18131.	4.8	10
35	Investigation on (Zn) doping and anionic surfactant (SDS) effect on SnO ₂ nanostructures for enhanced photocatalytic RhB dye degradation. <i>Environmental Research</i> , 2021, 199, 111312.	7.5	22
36	CuCoO ₂ electrodes for supercapacitor applications. <i>Materials Letters</i> , 2021, 296, 129930.	2.6	19

#	ARTICLE	IF	CITATIONS
37	Fabricating highly efficient Ag ₃ PO ₄ -Fe ₃ O ₄ -GO ternary nanocomposite photocatalyst: Effect of Fe ₃ O ₄ -GO preparation methods on photocatalytic activity. <i>Materials Research Bulletin</i> , 2021, 141, 111337.	5.2	13
38	Flower-like CuO/NiO nanostructures decorated activated carbon nanofiber membranes for flexible, sensitive, and selective enzyme-free glucose detection. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24775-24789.	2.2	25
39	Pyrazines with terminal donor groups for third-order nonlinear optics: effect of graphene oxide on nonlinear absorption. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	1.5	1
40	Nickel iron oxide electrocatalysts for electrochemical OER activity. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2669-2677.	3.1	2
41	Molecular conformational twist-controlled wide fluorescence tuning and white light emission in a single fluorophore <i>via</i> halochromism. <i>New Journal of Chemistry</i> , 2021, 45, 22450-22460.	2.8	8
42	Efficient Reusable Gold-Mesoporous Silica Nanocatalysts for Aromatic Nitro Reduction: Role of Phenolic Chelating Ligands on Immobilizing Gold Nanoparticles and Catalytic Activity. <i>Nano</i> , 2021, 16, .	1.0	0
43	Wet chemical development of CuO/GO nanocomposites: its augmented antimicrobial, antioxidant, and anticancerous activity. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 151.	3.6	10
44	Waste paper derived three-dimensional carbon aerogel integrated with ceria/nitrogen-doped reduced graphene oxide as freestanding anode for high performance and durable microbial fuel cells. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 97-109.	3.4	34
45	Polymorphs of a copper coordination compound: interlinking active sites enhance the electrocatalytic activity of the coordination polymer compared to the coordination complex. <i>CrystEngComm</i> , 2020, 22, 425-429.	2.6	16
46	Natural Products Database Screening for the Discovery of Naturally Occurring SARS-CoV-2 Spike Glycoprotein Blockers. <i>ChemistrySelect</i> , 2020, 5, 13309-13317.	1.5	24
47	Highly Enhanced OER Activity of Amorphous Co ₃ O ₄ via Fabricating Hybrid Amorphous-Crystalline Gold Nanostructures. <i>ChemistrySelect</i> , 2020, 5, 9357-9361.	1.5	6
48	Energy storage performance of CoNiSe ₂ nanostructures. <i>Materials Letters</i> , 2020, 279, 128485.	2.6	2
49	3D Flower-Like FeWO ₄ /CeO ₂ Hierarchical Architectures on rGO for Durable and High-Performance Microalgae Biophotovoltaic Fuel Cells. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 751-769.	2.9	23
50	Highly enhanced bifunctional electrocatalytic activity of mixed copper-copper oxides on nickel foam <i>via</i> composition control. <i>New Journal of Chemistry</i> , 2020, 44, 11993-12001.	2.8	14
51	Easily Accessible Schiff Base ESIPT Molecules with Tunable Solid State Fluorescence: Mechanofluorochromism and Highly Selective Co ²⁺ Fluorescence Sensing. <i>ChemistrySelect</i> , 2020, 5, 3295-3302.	1.5	14
52	SnO ₂ nanocubes/bentonite modified SPEEK nanocomposite composite membrane for high performance and durable direct methanol fuel cells. <i>Solid State Ionics</i> , 2020, 353, 115318.	2.7	15
53	NiMoO ₄ nanoparticles decorated carbon nanofiber membranes for the flexible and high performance glucose sensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 127886.	7.8	59
54	Triphenylamine-based stimuli-responsive solid state fluorescent materials. <i>New Journal of Chemistry</i> , 2020, 44, 8680-8696.	2.8	65

#	ARTICLE	IF	CITATIONS
55	Synthesis of new Schiffâ€™s base copper conjugate for optically and electrochemically tuning of l-cysteine in cancer cells and bovine serum albumin. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128082.	7.8	9
56	In Vitro Antimicrobial Activity and Metal Ion Sensing by Green Synthesized Silver Nanoparticles from Fruits of <i>Opuntia Ficus Indica</i> Grown in the Abha Region, Saudi Arabia. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 43-49.	3.0	4
57	Turn-on fluorescence sensing of hydrazine using MnO ₂ nanotube-decorated g-C ₃ N ₄ nanosheets. <i>New Journal of Chemistry</i> , 2019, 43, 13196-13204.	2.8	18
58	Excited state absorption assisted optical limiting action of Fe decorated $\hat{1}^3$ -BBO nanorods. <i>Materials Chemistry and Physics</i> , 2019, 237, 121827.	4.0	36
59	Chitosan/sulfonated graphene oxide/silica nanocomposite membranes for direct methanol fuel cells. <i>Solid State Ionics</i> , 2019, 338, 153-160.	2.7	35
60	Ruthenium oxide/tungsten oxide composite nanofibers as anode catalysts for the green energy generation of <i>Chlorella vulgaris</i> mediated biophotovoltaic cells. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, e13262.	2.3	14
61	Surfactant and binder free hierarchical NCNPs@CuO nanostructures on ITO for the cost effective enzyme-free glucose sensor applications. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	23
62	Rotaxane-Based Mechanophores Enable Polymers with Mechanically Switchable White Photoluminescence. <i>ACS Central Science</i> , 2019, 5, 874-881.	11.3	113
63	Exploring the Effect of Electron Withdrawing Groups on Optoelectronic Properties of Pyrazole Derivatives as Efficient Donor and Acceptor Materials for Photovoltaic Devices. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 1625-1644.	2.8	16
64	PEDOT/NiFe ₂ O ₄ nanocomposites on biochar as a free-standing anode for high-performance and durable microbial fuel cells. <i>New Journal of Chemistry</i> , 2019, 43, 7743-7750.	2.8	54
65	Aggregation-enhanced emissive mechanofluorochromic carbazole-halogen positional isomers: tunable fluorescence <i>via</i> conformational polymorphism and crystallization-induced fluorescence switching. <i>CrystEngComm</i> , 2019, 21, 6604-6612.	2.6	26
66	The crystal structure of 2-((3-methylthiophen-2-yl)methylene)malononitrile, C ₉ H ₆ N ₂ S. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2019, 234, 327-328.	0.3	0
67	AIE based on-off fluorescence probe for the detection of Cu ²⁺ ions in aqueous media. <i>Inorganic Chemistry Communication</i> , 2019, 99, 11-15.	3.9	21
68	Anthracene Based AIE Active Probe for Colorimetric and Fluorimetric Detection of Cu ²⁺ ions. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 895-911.	2.8	2
69	Design, characterization and nonlinear optical properties of coumarin appended chalcones: Use of a dual approach. <i>Optik</i> , 2018, 164, 5-15.	2.9	43
70	A colorimetric turn-on optical chemosensor for Cu ²⁺ ions and its application as solid state sensor. <i>Optical Materials</i> , 2018, 79, 255-258.	3.6	14
71	AIE active multianalyte fluorescent probe for the detection of Cu ²⁺ , Ni ²⁺ and Hg ²⁺ ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 54-60.	3.9	31
72	Colorimetric optical chemosensor of toxic metal ion (Hg ²⁺) and biological activity using green synthesized AgNPs. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 484-491.	4.7	20

#	ARTICLE	IF	CITATIONS
73	AIE active turn-off fluorescent probe for the detection of Cu ²⁺ ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 84-89.	3.9	26
74	Photophysics of Dihydroquinazolinone Derivatives: Experimental and Theoretical Studies. <i>Journal of Fluorescence</i> , 2017, 27, 1161-1170.	2.5	4
75	Naphthalene based AIE active stimuli-responsive material as rewritable media for temporary communication. <i>Optical Materials</i> , 2017, 72, 442-446.	3.6	8
76	Quinazolinone derivative: Model compound for determination of dipole moment, solvatochromism and metal ion sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 97-103.	3.9	15
77	A Combined Experimental and Computational Investigation on Spectroscopic and Photophysical Properties of a Coumarinyl Chalcone. <i>Journal of Fluorescence</i> , 2016, 26, 1357-1365.	2.5	16
78	Structural and Photophysical Properties of (2E)-3-[4-(Dimethylamino) Phenyl]-1-(Naphthalen-1-yl) Prop-2-en-1-One (DPNP) in Different Media. <i>Journal of Fluorescence</i> , 2015, 25, 103-112.	2.5	3
79	Photoinduced intramolecular charge transfer and photophysical characteristics of (2Z)-3-[4-(dimethylamino) phenyl]-2-(2-methylphenyl) prop-2-ene-nitrile (DPM) in different media. <i>Journal of Molecular Structure</i> , 2015, 1098, 153-160.	3.6	2
80	Spectroscopic investigation, photophysical parameters and DFT calculations of 4,4'-bis(2-(2-(pyrazine-2,5-diyl)bis(ethene-2,1-diyl)bis(N,N-dimethylaniline)) ethene-2,1-diyl)bis(N,N-dimethylaniline) (PENDA) in different solvents. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 722-730.	3.9	17
81	Synthesis, spectral behaviour and photophysics of donor-acceptor kind of chalcones: Excited state intramolecular charge transfer and fluorescence quenching studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1893-1902.	3.9	48
82	Spectral behavior and photophysical parameters of (2Z)-3-[4-(dimethylamino) phenyl]-2-(4-fluorophenyl) prop-2-ene-nitrile (DPF) in different media. <i>Journal of Luminescence</i> , 2015, 157, 163-171.	3.1	10
83	Spectroscopic Investigation, Effect of Solvent Polarity and Fluorescence Quenching of a New D-π-A Type Chalcone Derivative. <i>Journal of Fluorescence</i> , 2014, 24, 1629-1638.	2.5	35
84	Concomitant Polymorphs of Aryl-Ether Amine via Catemer and Dimer Carboxylic Acid Supramolecular Interactions and Their Effect on Optical Band Gap. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-10.	2.6	0