Vinod Kumar

List of Publications by Year
in descending order

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67 papers	1,467 citations	279798 23 h-index	361022 35 g-index
68 all docs	68 docs citations	68 times ranked	1543 citing authors

#	Article	IF	Citations
1	Differences in transcription regulation of diurnal metabolic support to physiologically contrasting seasonal life-history states in migratory songbirds. Journal of Ornithology, 2022, 163, 199-212.	1.1	5
2	Outdoor daylight exposure and longer sleep promote wellbeing under COVIDâ€19 mandated restrictions. Journal of Sleep Research, 2022, 31, e13471.	3.2	30
3	Morphologically dilated convolutional neural network for hyperspectral image classification. Signal Processing: Image Communication, 2022, 101, 116549.	3.2	21
4	Co-operative influence of co-crystallized solvent in sustaining supramolecular architectures of Zn(II)/Cd(II) homoleptic pyridyl functionalized dithiocarbamates complexes via non-covalent interactions. Journal of Sulfur Chemistry, 2022, 43, 252-263.	2.0	1
5	Physiological effects of food availability times in higher vertebrates. Journal of Experimental Biology, 2022, 225, .	1.7	3
6	Hypothalamic plasticity in response to changes in photoperiod and food quality: An adaptation to support preâ€migratory fattening in songbirds?. European Journal of Neuroscience, 2021, 53, 430-448.	2.6	4
7	DC-Microgrid Voltage Regulation using Dual Active Bridge based SVR. , 2021, , .		1
8	The Association of Internet Overuse with Sleep and Mood in Indian Female University Students. Sleep and Vigilance, 2021, 5, 71-83.	0.8	1
9	Molecular changes associated with migratory departure from wintering areas in obligate songbird migrants. Journal of Experimental Biology, 2021, 224, .	1.7	7
10	The Potential Application of Endophytes in Management of Stress from Drought and Salinity in Crop Plants. Microorganisms, 2021, 9, 1729.	3.6	70
11	Study of magnetic and optical transitions in MFe2O4 (M=Co, Zn, Fe, Mn) with spinel structure. Nanosystems: Physics, Chemistry, Mathematics, 2021, 12, 481-491.	0.4	1
12	Adaptive Neuro-Fuzzy Inference System-Based Maximum Power Tracking Controller for Variable Speed WECS. Energies, 2021, 14, 6275.	3.1	33
13	Born without night: The consequence of the no-night environment on reproductive performance in diurnal zebra finches. Journal of Experimental Biology, 2021, , .	1.7	2
14	Changes in brain peptides associated with reproduction and energy homeostasis: Putative roles of gonadotrophinâ€releasing hormoneâ€II and tyrosine hydroxylase in determining reproductive performance in response to daily food availability times in diurnal zebra finches. Journal of Neuroendocrinology, 2020, 32, e12825.	2.6	1
15	Ionic liquid induced removal of Rhodamine B from water. Journal of Molecular Liquids, 2020, 319, 114195.	4.9	16
16	Zn2+ substituted superparamagnetic MgFe2O4 spinel-ferrites: Investigations on structural and spin-interactions. Journal of Advanced Ceramics, 2020, 9, 576-587.	17.4	79
17	Ambient temperature affects multiple drivers of physiology and behaviour: adaptation for timely departure of obligate spring migrants. Journal of Experimental Biology, 2020, 223, .	1.7	8
18	Sleep in unnatural times: illuminated night negatively affects sleep and associated hypothalamic gene expressions in diurnal zebra finches. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192952.	2.6	15

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19	Changes in DNA methylation and histone modification gene expression in response to daily food times in zebra finches: epigenetic implications. Journal of Experimental Biology, 2020, 223, .	1.7	6
20	Structural and multiferroic properties of BiFeO3/MgLa0.025Fe1.975O4 nanocomposite synthesized by solâ€“gel auto combustion route. Journal of Materials Science: Materials in Electronics, 2020, 31, 2777-2788.	2.2	8
21	COVID-19-mandated social restrictions unveil the impact of social time pressure on sleep and body clock. Scientific Reports, 2020, 10, 22225.	3.3	105
22	Development of vernal migration in redheaded buntings: concurrent behavioral, physiological and neural changes under stimulatory photoperiods. Photochemical and Photobiological Sciences, 2019, 18, 2509-2520.	2.9	5
23	Temperature affects liver and muscle metabolism in photostimulated migratory redheaded buntings (Emberiza bruniceps). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2019, 189, 623-635.	1.5	6
24	Metabolic plasticity mediates differential responses to spring and autumn migrations: Evidence from gene expression patterns in migratory buntings. Experimental Physiology, 2019, 104, 1841-1857.	2.0	18
25	The quantity-quality trade-off: differential effects of daily food times on reproductive performance and offspring quality in diurnal zebra finches. Journal of Experimental Biology, 2019, 222, .	1.7	10
26	Stochastic evaluation of voltage sag in power system network considering effect of photovoltaic generation. International Transactions on Electrical Energy Systems, 2019, 29, e2773.	1.9	5
27	Light at night affects hippocampal and nidopallial cytoarchitecture: Implication for impairment of brain function in diurnal corvids. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2019, 331, 149-156.	1.9	12
28	Hypothalamic and liver transcriptome from two crucial lifeâ€history stages in a migratory songbird. Experimental Physiology, 2018, 103, 559-569.	2.0	29
29	Illuminated night alters hippocampal gene expressions and induces depressiveâ€like responses in diurnal corvids. European Journal of Neuroscience, 2018, 48, 3005-3018.	2.6	39
30	Difference in control between spring and autumn migration in birds: insight from seasonal changes in hypothalamic gene expression in captive buntings. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181531.	2.6	34
31	Sustainable synthesis of single crystalline sulphur-doped graphene quantum dots for bioimaging and beyond. Green Chemistry, 2018, 20, 4245-4259.	9.0	112
32	Scotostimulation of reproductive neural pathways and gonadal maturation are not correlated with hypothalamic expression of deiodinases in subtropical spotted munia. Journal of Neuroendocrinology, 2018, 30, e12627.	2.6	11
33	Circannual testis and moult cycles persist under photoperiods that disrupt circadian activity and clock gene cycles in spotted munia. Journal of Experimental Biology, 2017, 220, 4162-4168.	1.7	9
34	Novel Control for Voltage Boosted Matrix Converter based Wind Energy Conversion System with Practicality. Journal of the Institution of Engineers (India): Series B, 2017, 98, 231-237.	1.9	3
35	Impact of ferrocenyl and pyridyl groups attached to dithiocarbamate moieties on crystal structures and luminescent characteristics of group 12 metal complexes. Journal of Organometallic Chemistry, 2016, 820, 62-69.	1.8	23
36	Voltage sag assessment with respect to sensitivity of adjustable speed drives in distributed generation environment. , 2015, , .		6

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37	Development of a Novel Control for a Matrix Converter Interfaced Wind Energy Conversion System for Dynamic Performance Enhancement. Electric Power Components and Systems, 2015, 43, 1062-1071.	1.8	5
38	Cooperative influence of ligand frameworks in sustaining supramolecular architectures of Ni(II)/Pd(II) heteroleptic dithio-dipyrrin complexes via non-covalent interactions. Polyhedron, 2015, 89, 304-312.	2.2	16
39	Influence of functionalities on the structure and luminescent properties of organotin(IV) dithiocarbamate complexes. Journal of Organometallic Chemistry, 2015, 787, 65-72.	1.8	35
40	Synthesis, crystal structures and conducting properties of heteroleptic nickel(II) 1,1-dithiolate-bpy/dppe ligand complexes. Polyhedron, 2015, 101, 251-256.	2.2	7
41	Intermolecular Tlâ‹¯Hâ€“C anagostic interactions in luminescent pyridyl functionalized thallium(<scp>i</scp>) dithiocarbamates. Dalton Transactions, 2015, 44, 1716-1723.	3.3	31
42	Syntheses, crystal structures and optical properties of heteroleptic copper(I) dithio/PPh3 complexes. Polyhedron, 2014, 79, 324-329.	2.2	14
43	Influence of ligand environment on the structure and properties of silver(<scp>i</scp>) dithiocarbamate cluster-based coordination polymers and dimers. New Journal of Chemistry, 2014, 38, 4478-4485.	2.8	18
44	Effect of pyridyl substituents leading to the formation of green luminescent mercury(<scp>ii</scp>) coordination polymers, zinc(<scp>ii</scp>) dimers and a monomer. New Journal of Chemistry, 2014, 38, 3737.	2.8	28
45	Aggregation of a model porphyrin within poly(ethylene glycol) (PEG): effect of water, PEG molecular weight, ionic liquids, salts, and temperature. Physical Chemistry Chemical Physics, 2014, 16, 7263-7273.	2.8	13
46	Photosensitizing activity of ferrocenyl bearing Ni(ii) and Cu(ii) dithiocarbamates in dye sensitized TiO2 solar cells. Dalton Transactions, 2014, 43, 4752.	3.3	72
47	Intermolecular anagostic interactions in group 10 metal dithiocarbamates. CrystEngComm, 2014, 16, 9299-9307.	2.6	51
48	Influence of ligand environments on the structures and luminescence properties of homoleptic cadmium(ii) pyridyl functionalized dithiocarbamates. CrystEngComm, 2014, 16, 6765.	2.6	35
49	Exploring the coordinative behaviour and molecular architecture of new PhHg(II)/Hg(II) dithiocarbamate complexes. Inorganica Chimica Acta, 2014, 421, 210-217.	2.4	22
50	Controlling excited-state prototropism via the acidity of ionic liquids. RSC Advances, 2013, 3, 11621.	3.6	7
51	Syntheses, crystal structures and photoluminescent properties of new heteroleptic Ni(II) and Pd(II) complexes of ferrocene functionalized dithiocarbamate-and dipyrromethene ligands. Inorganic Chemistry Communication, 2013, 37, 151-154.	3.9	19
52	Syntheses, crystal structures and conducting properties of new homoleptic copper (II) dithiocarbamate complexes. Inorganica Chimica Acta, 2013, 408, 145-151.	2.4	28
53	Unusual Câ€“Hâ‹¯Ni anagostic interactions in new homoleptic Ni(ii) dithio complexes. CrystEngComm, 2013, 15, 4676.	2.6	46
54	Protonâ€Transfer Reactions of Acridine in Waterâ€Containing Ionicâ€Liquidâ€Rich Mixtures. ChemPhysChem, 2013, 14, 3944-3952.	2.1	10

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55	Ionic Liquidâ€Controlled Excitedâ€State Behavior of Naphthols. ChemPhysChem, 2013, 14, 491-495.	2.1	8
56	Polyoxomolybdate(VI) anion stabilized by ammonium cation via CS₂ elimination from N-benzyl-N-methylferrocenyl dithiocarbamate. Journal of Coordination Chemistry, 2012, 65, 431-438.	2.2	7
57	Selective Quenching of 2-Naphtholate Fluorescence by Imidazolium Ionic Liquids. Journal of Physical Chemistry B, 2012, 116, 12030-12037.	2.6	13
58	Ionic liquid-controlled J- versus H-aggregation of cyanine dyes. Chemical Communications, 2011, 47, 4730.	4.1	59
59	Contrasting Behavior of Classical Salts versus Ionic Liquids toward Aqueous Phase J-Aggregate Dissociation of a Cyanine Dye. Langmuir, 2011, 27, 12884-12890.	3.5	19
60	Non-grid Solar Thermal Technologies. , 2011, , 267-288.		0
61	Solar Tunnel Dryer â€" A Promising Option for Solar Drying. , 2011, , 289-320.		1
62	Role of the Surfactant Structure in the Behavior of Hydrophobic Ionic Liquids within Aqueous Micellar Solutions. ChemPhysChem, 2010, 11, 1044-1052.	2.1	33
63	Selfâ€Probing of Micellization within Phenylâ€Containing Surfactant Solutions. ChemPhysChem, 2010, 11, 2510-2513.	2.1	9
64	J-aggregation of ionic liquid solutions of meso-tetrakis(4-sulfonatophenyl)porphyrin. Physical Chemistry Chemical Physics, 2010, 12, 1886-1894.	2.8	36
65	Unusual fluorescein prototropism within aqueous acidic 1-butyl-3-methylimidazolium tetrafluoroborate solution. Chemical Communications, 2010, 46, 5112.	4.1	37
66	Doubly Fed Induction Generators. , 2010, , 147-178.		2
67	Optimal Control of Matrix-Converter-Based WECS for Performance Enhancement and Efficiency Optimization. IEEE Transactions on Energy Conversion, 2009, 24, 264-273.	5.2	47