

Arun H S Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1639597/publications.pdf>

Version: 2024-02-01

518
papers

16,250
citations

14655

66
h-index

32842

100
g-index

535
all docs

535
docs citations

535
times ranked

21374
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding manufacturersâ€™ and consumersâ€™ perspectives towards end-of-life solar photovoltaic waste management and recycling. <i>Environment, Development and Sustainability</i> , 2023, 25, 2264-2284.	5.0	5
2	Using QMRA to understand possible exposure risks of SARS-CoV-2 from the water environment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 7240-7253.	5.3	5
3	Estimating combined health risks of nanomaterials and antibiotics from natural water: a proposed framework. <i>Environmental Science and Pollution Research</i> , 2022, 29, 13845-13856.	5.3	1
4	Morphology and tensile performance of MWCNT/TiO ₂ -epoxy nanocomposite. <i>Materials Chemistry and Physics</i> , 2022, 277, 125336.	4.0	15
5	Palladium complex of sulphated schiff base with ortho-vanillin as catalyst for O-arylation of phenol. <i>Materials Today: Proceedings</i> , 2022, 48, 1553-1558.	1.8	3
6	Estimation of health risks due to copper-based nanoagrochemicals. <i>Environmental Science and Pollution Research</i> , 2022, 29, 25046-25059.	5.3	4
7	Environmental and human health risk assessment of mixture of Covid-19 treating pharmaceutical drugs in environmental waters. <i>Science of the Total Environment</i> , 2022, 812, 152485.	8.0	21
8	Functionalization of graphene oxide with a hybrid P, N ligand for immobilizing and stabilizing economical and non-toxic nanosized CuO: an efficient, robust and reusable catalyst for the C–O coupling reaction in <i>O</i> -arylation of phenol. <i>New Journal of Chemistry</i> , 2022, 46, 3578-3587.	2.8	12
9	Emerging role and function of miR-198 in human health and diseases. <i>Pathology Research and Practice</i> , 2022, 229, 153741.	2.3	3
10	Effect of copper-based nanoagrochemicals on plants and soil: A critical review. , 2022, , 615-637.		0
11	Technological advancement in measurements of suspended sediment and hydraulic turbine erosion. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 190, 110700.	5.0	12
12	Toxicity of nanoparticles to algae-bacterial co-culture: Knowns and unknowns. <i>Algal Research</i> , 2022, 62, 102641.	4.6	12
13	Suzuki–Miyaura coupling and <i>O</i> -arylation reactions catalysed by palladium(II) complexes of bulky ligands bearing naphthalene core, Schiff base functionality and biarylphosphine moiety. <i>Journal of Molecular Structure</i> , 2022, 1253, 132099.	3.6	11
14	Complexes of metals with organotellurium compounds and nanosized metal tellurides for catalysis, electrocatalysis and photocatalysis. <i>Coordination Chemistry Reviews</i> , 2022, 459, 214406.	18.8	27
15	Coinage metal chalcogenides via single-source precursors. , 2022, , 531-562.		1
16	Single source precursor route for the first graphene oxide–Pd ₆ P nanocomposite: application in electrochemical hydrogen evolution reaction. <i>Dalton Transactions</i> , 2022, 51, 6537-6542.	3.3	12
17	A state-of-art review on end-of-life solar photovoltaics. <i>Journal of Cleaner Production</i> , 2022, 343, 130978.	9.3	23
18	In-vitro dissolution behaviour of mixture of nanoparticle from surface water to simulated human digestive system. <i>Journal of Nanoparticle Research</i> , 2022, 24, .	1.9	1

#	ARTICLE	IF	CITATIONS
19	The non-canonical nuclear functions of key players of the PI3K-AKT-mTOR pathway. <i>Journal of Cellular Physiology</i> , 2022, 237, 3181-3204.	4.1	9
20	Banded Sleeve Gastrectomy vs Non-banded Sleeve Gastrectomy: a Systematic review and Meta-analysis. <i>Obesity Surgery</i> , 2022, 32, 2744-2752.	2.1	5
21	Highly Sensitive Refractive Index Sensor Based on Polymer Bragg Grating: A Case Study on Extracellular Vesicles Detection. <i>Biosensors</i> , 2022, 12, 415.	4.7	20
22	Performance evaluation of conservation plan for freshwater lakes in India through a scoring methodology. <i>Environment, Development and Sustainability</i> , 2021, 23, 3787-3810.	5.0	10
23	microRNAs: New-Age Panacea in Cancer Therapeutics. <i>Indian Journal of Surgical Oncology</i> , 2021, 12, 52-56.	0.7	3
24	Reactive oxygen species production and inflammatory effects of ambient PM2.5-associated metals on human lung epithelial A549 cells –one year-long study– The Delhi chapter. <i>Chemosphere</i> , 2021, 262, 128305.	8.2	26
25	Insights on the biological role of ultrafine particles of size PM<0.25: A prospective study from New Delhi. <i>Environmental Pollution</i> , 2021, 268, 115638.	7.5	5
26	Antibiotic resistance development and human health risks during wastewater reuse and biosolids application in agriculture. <i>Chemosphere</i> , 2021, 265, 129032.	8.2	64
27	Easily synthesizable benzothiazole based designers palladium complexes for catalysis of Suzuki coupling: Controlling effect of aryl substituent of ligand on role and composition of insitu generated binary nanomaterial (PdS or Pd16S7). <i>Catalysis Communications</i> , 2021, 149, 106242.	3.3	18
28	Enhanced Thermomechanical Properties of ZrO2 Particle Reinforced Epoxy Nanocomposite. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 145-153.	2.5	9
29	Evaluation of recreational risks due to exposure of antibiotic-resistance bacteria from environmental water: A proposed framework. <i>Journal of Environmental Management</i> , 2021, 279, 111626.	7.8	11
30	Comparative degradation analysis of different photovoltaic technologies on experimentally simulated water bodies and estimation of evaporation loss reduction. <i>Progress in Photovoltaics: Research and Applications</i> , 2021, 29, 357-378.	8.1	14
31	Small Hydro. , 2021, , .		1
32	Incidental Jejunal Lesion Necessitating Intraoperative Change of Plan During Bariatric Surgery: a Video Case Report. <i>Obesity Surgery</i> , 2021, 31, 2344-2345.	2.1	1
33	Discovery and Development of Stem Cells for Therapeutic Applications. , 2021, , 267-296.		0
34	Weight-of-evidence process for assessing human health risk of mixture of metal oxide nanoparticles and corresponding ions in aquatic matrices. <i>Chemosphere</i> , 2021, 263, 128289.	8.2	17
35	Role of TSC1 in physiology and diseases. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 2269-2282.	3.1	16
36	Ultra High Sensitive Refractive Index Sensor Using a Metal Under-Clad Ridge Waveguide Modal Interferometer Near the Dispersion Turning Point. <i>IEEE Sensors Journal</i> , 2021, 21, 4674-4681.	4.7	8

#	ARTICLE	IF	CITATIONS
37	Temporal variation of leachate pollution index of Indian landfill sites and associated human health risk. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28391-28406.	5.3	28
38	Understanding metal dissolution from solar photovoltaics in MSW leachate under standard waste characterization conditions for informing end-of-life photovoltaic waste management. <i>Waste Management</i> , 2021, 123, 97-110.	7.4	13
39	Exome sequencing and functional studies in zebrafish identify <i>WDR8</i> as the causative gene for isolated Microspherophakia in Indian families. <i>Human Molecular Genetics</i> , 2021, 30, 467-484.	2.9	0
40	Oncogenic role of MiR-130a in oral squamous cell carcinoma. <i>Scientific Reports</i> , 2021, 11, 7787.	3.3	9
41	The presence of Wormian bones increases the fracture resistance of equine cranial bone. <i>PLoS ONE</i> , 2021, 16, e0249451.	2.5	4
42	Day-ahead and intra-day wind power forecasting based on feedback error correction. <i>IET Renewable Power Generation</i> , 2021, 15, 2840-2848.	3.1	3
43	Evaluation of bentonite clay in modified and unmodified forms to remove fluoride from water. <i>Water Science and Technology</i> , 2021, 84, 2661-2674.	2.5	5
44	Analysis and visualization of progressive erosion in Pelton buckets. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 774, 012105.	0.3	5
45	Adhesive and viscoelastic response of MWCNT/ZrO ₂ hybrid epoxy nanocomposites. <i>Journal of Mechanics of Materials and Structures</i> , 2021, 16, 281-292.	0.6	12
46	Can pharmaceutical drugs used to treat Covid-19 infection leads to human health risk? A hypothetical study to identify potential risk. <i>Science of the Total Environment</i> , 2021, 778, 146303.	8.0	22
47	Setting guidelines for co-occurring nanoparticles in water medium. <i>Science of the Total Environment</i> , 2021, 776, 145175.	8.0	5
48	Preformed molecular complexes of metals with organoselenium ligands: Syntheses and applications in catalysis. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213885.	18.8	47
49	Organoselenium ligand-stabilized copper nanoparticles: Development of a magnetically separable catalytic system for efficient, room temperature and aqueous phase reduction of nitroarenes. <i>Inorganica Chimica Acta</i> , 2021, 522, 120267.	2.4	21
50	Theoretical evaluation of metal release potential of emerging third generation solar photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2021, 227, 111120.	6.2	7
51	Improved mechanical performance and unique toughening mechanisms of UDM processed epoxy-SiO ₂ nanocomposites. <i>Polymer Composites</i> , 2021, 42, 6000-6009.	4.6	5
52	Influence of Co over magnetically benign Zn ferrite system and study of its structural, dielectric, superparamagnetic and antibacterial efficacy. <i>Materials Research Bulletin</i> , 2021, 141, 111330.	5.2	13
53	Effect of seawater acidification and plasticizer (Bisphenol-A) on aggregation of nanoparticles. <i>Environmental Research</i> , 2021, 201, 111498.	7.5	3
54	Copper-based nanoparticles in the soil-plant environment: Assessing their applications, interactions, fate and toxicity. <i>Chemosphere</i> , 2021, 281, 130940.	8.2	38

#	ARTICLE	IF	CITATIONS
55	Catalytically active nanosized Pd ₉ Te ₄ (telluropalladinite) and PdTe (kotulskite) alloys: first precursor-architecture controlled synthesis using palladium complexes of organotellurium compounds as single source precursors. RSC Advances, 2021, 11, 7214-7224.	3.6	25
56	Determining the Performance Characteristics of a White-Box Building Energy System Model and Evaluating the Energy Consumption. Springer Proceedings in Energy, 2021, , 605-615.	0.3	1
57	Organoselenium ligands for heterogeneous and nanocatalytic systems: development and applications. Dalton Transactions, 2021, 50, 8628-8656.	3.3	38
58	Assessment of State-Space Building Energy System Models in Terms of Stability and Controllability. Sustainability, 2021, 13, 11938.	3.2	3
59	Development of a Building Energy Model Based on State-Space Analysis and Determining the Performance Characteristics. Lecture Notes in Mechanical Engineering, 2021, , 199-204.	0.4	0
60	Organosulfur, organoselenium, and organotellurium ligands in the development of palladium, nickel, and copper-based catalytic systems for Heck coupling. New Journal of Chemistry, 2021, 45, 21449-21487.	2.8	18
61	Direction of Arrival Estimation for Speech Source Using Closely Spaced Microphones. Lecture Notes in Mechanical Engineering, 2021, , 243-250.	0.4	0
62	The pruritus severity scale-a novel tool to assess itch in burns patients. International Journal of Burns and Trauma, 2021, 11, 156-162.	0.2	0
63	Mode transition induced enhanced temperature sensitivity in long period waveguide gratings near dispersion turning point. Results in Optics, 2021, 5, 100195.	2.0	0
64	Micro-hydropower in drinking water gravity pipelines: a case study in Uttarakhand, India. ISH Journal of Hydraulic Engineering, 2020, 26, 332-342.	2.1	6
65	Non-carcinogenic and Carcinogenic Risk Assessment of Trace Elements of PM2.5 During Winter and Pre-monsoon Seasons in Delhi: A Case Study. Exposure and Health, 2020, 12, 63-77.	4.9	21
66	Human health risk assessment of antibiotics in binary mixtures for finished drinking water. Chemosphere, 2020, 240, 124864.	8.2	48
67	Tannic acid functionalization of bamboo micron fibres: Its capability to toughen epoxy based biocomposites. Materials Chemistry and Physics, 2020, 243, 122112.	4.0	10
68	Quantification of metal uptake in Spinacia oleracea irrigated with water containing a mixture of CuO and ZnO nanoparticles. Chemosphere, 2020, 243, 125239.	8.2	25
69	Experimental characterization of the performance of different photovoltaic technologies on water bodies. Progress in Photovoltaics: Research and Applications, 2020, 28, 25-48.	8.1	19
70	Understanding effect of interaction of nanoparticles and antibiotics on bacteria survival under aquatic conditions: Knowns and unknowns. Environmental Research, 2020, 181, 108945.	7.5	13
71	Initial metal contents and leaching rate constants of metals leached from end-of-life solar photovoltaic waste: An integrative literature review and analysis. Renewable and Sustainable Energy Reviews, 2020, 119, 109592.	16.4	41
72	Impact of bariatric surgery on carotid intima-medial thickness and cardiovascular risk: results of a prospective study. Surgical Endoscopy and Other Interventional Techniques, 2020, 35, 6006-6012.	2.4	14

#	ARTICLE	IF	CITATIONS
73	microRNAs in oral cancer: Moving from bench to bed as next generation medicine. <i>Oral Oncology</i> , 2020, 111, 104916.	1.5	28
74	Understanding the possibility of material release from end-of-life solar modules: A study based on literature review and survey analysis. <i>Renewable Energy</i> , 2020, 160, 903-918.	8.9	16
75	Investigation of the room temperature ferro-magnetism in transition metal-doped ZnO thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	3
76	Optimal scheduling for solar wind and pumped storage systems considering imbalance penalty. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, , 1-12.	2.3	5
77	Organochalcogen ligands in catalysis of oxidation of alcohols and transfer hydrogenation. <i>Dalton Transactions</i> , 2020, 49, 12503-12529.	3.3	29
78	Estimating seasonal variations of realistic exposure doses and risks to organs due to ambient particulate matter -bound metals of Delhi. <i>Chemosphere</i> , 2020, 260, 127451.	8.2	5
79	Metal dissolution from end-of-life solar photovoltaics in real landfill leachate versus synthetic solutions: One-year study. <i>Waste Management</i> , 2020, 114, 351-361.	7.4	34
80	Ecological and human health risk assessment of metals leached from end-of-life solar photovoltaics. <i>Environmental Pollution</i> , 2020, 267, 115393.	7.5	40
81	Irrigation of World Agricultural Lands: Evolution through the Millennia. <i>Water (Switzerland)</i> , 2020, 12, 1285.	2.7	50
82	Closure to "Water Quality" Based Environmental Flow under Plausible Temperature and Pollution Scenarios" by Shushobhit Chaudhary, C. T. Dhanya, Arun Kumar, and Rehana Shaik. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	1.9	0
83	Spatial variations of heavy metal contamination and associated risks around an unplanned landfill site in India. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 335.	2.7	8
84	Tradeoff between risks through ingestion of nanoparticle contaminated water or fish: Human health perspective. <i>Science of the Total Environment</i> , 2020, 740, 140140.	8.0	20
85	Cation distribution, magnetic and hyperfine interaction studies of Ni ²⁺ /Zn spinel ferrites: role of Jahn Teller ion (Cu ²⁺) substitution. <i>Materials Advances</i> , 2020, 1, 880-890.	5.4	95
86	Instantaneous Frequency Selective Filtering Using Ensemble Empirical Mode Decomposition. <i>IETE Journal of Research</i> , 2020, , 1-13.	2.6	0
87	Identification of component-based approach for prediction of joint chemical mixture toxicity risk assessment with respect to human health: A critical review. <i>Food and Chemical Toxicology</i> , 2020, 143, 111458.	3.6	28
88	Stability and characterization of mixture of three particle system containing ZnO-CuO nanoparticles and clay. <i>Science of the Total Environment</i> , 2020, 740, 140095.	8.0	13
89	Whole Exome Sequencing Identifies a Novel Homozygous Duplication Mutation in the VPS13B Gene in an Indian Family with Cohen Syndrome. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 1225-1228.	2.3	8
90	Utility of Silane-Modified Magnesium-Based Magnetic Nanoparticles for Efficient Immobilization of <i>Bacillus thermoamylovorans</i> Lipase. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 1029-1043.	2.9	7

#	ARTICLE	IF	CITATIONS
91	A novel dual resonance long period waveguide grating based highly sensitive refractive index sensor with reduced temperature sensitivity. Optics Communications, 2020, 474, 126092.	2.1	5
92	Interpretation and application of the hydro-abrasive erosion model from IEC 62364 (2013) for Pelton turbines. Renewable Energy, 2020, 160, 396-408.	8.9	15
93	SRSF3: Newly discovered functions and roles in human health and diseases. European Journal of Cell Biology, 2020, 99, 151099.	3.6	25
94	Magnetic, Mössbauer and Raman spectroscopy of nanocrystalline Dy ³⁺ -Cr ³⁺ substituted barium hexagonal ferrites. Physica B: Condensed Matter, 2020, 585, 412115.	2.7	22
95	Effect of Synthesis Method on Optical and Magnetic Properties of Fe ₂ O ₃ Nanoparticles. Integrated Ferroelectrics, 2020, 204, 38-46.	0.7	8
96	Design of a tunable DWDM multiplexer using four defect layers of GaAs nonlinear photonic crystals. Optik, 2020, 212, 164652.	2.9	7
97	Binary mixture of nanoparticles in sewage sludge: Impact on spinach growth. Chemosphere, 2020, 254, 126794.	8.2	20
98	Understanding the Effect of the Interaction of Nanoparticles with Roots on the Uptake in Plants. Environmental Chemistry for A Sustainable World, 2020, , 277-304.	0.5	5
99	Identifying Issues in Assessing Environmental Implications of Solar PVs-Related Waste. Lecture Notes in Civil Engineering, 2020, , 71-90.	0.4	4
100	Performance analysis of a 10MWp utility scale grid-connected canal-top photovoltaic power plant under Indian climatic conditions. Energy, 2020, 204, 117903.	8.8	55
101	Understanding Interactions of Nanomaterials with Soil: Issues and Challenges Ahead. Environmental Chemistry for A Sustainable World, 2020, , 117-141.	0.5	1
102	Anatomical perspective on the loss of smell and taste sensation in SARS-CoV-2 infection. Anatomy, 2020, 14, 145-149.	0.2	0
103	Simulation Based Energy Control and Comfort Management in Buildings Using Multi-Objective Optimization Routine. International Journal of Mathematical, Engineering and Management Sciences, 2020, 5, 1324-1332.	0.7	3
104	UDM processed superior acrylic resin based ZrO ₂ nanoparticle reinforced composite for dental application. Materials Research Express, 2019, 6, 105404.	1.6	2
105	Analytical modelling and mechanism of hydro-abrasive erosion in pelton buckets. Wear, 2019, 436-437, 203003.	3.1	16
106	Association of dietary intake below recommendations and micronutrient deficiencies during pregnancy and low birthweight. Journal of Perinatal Medicine, 2019, 47, 724-731.	1.4	9
107	Bidentate organochalcogen ligands (N, E; Eâ€ˆ=â€ˆS/Se) as stabilizers for recyclable palladium nanoparticles and their application in Suzukiâ€ˆMiyaura coupling reactions. Polyhedron, 2019, 171, 120-127.	2.2	25
108	Behavior of UDM processed epoxy based TiO ₂ nano filler composite adhesive joints under fatigue loading. Materials Research Express, 2019, 6, 095303.	1.6	1

#	ARTICLE	IF	CITATIONS
109	Chalcogen (S/Se) Ligated Palladium(II) Complexes of Bulky Ligands: Application in C^{H} -Arylation of Phenol. <i>ChemistrySelect</i> , 2019, 4, 10765-10769.	1.5	22
110	Highly Sensitive Refractive Index Sensor Based on Mode Transition in a Dual Resonance Long Period Grating Inscribed Ridge Waveguide. <i>Journal of Lightwave Technology</i> , 2019, 37, 5576-5582.	4.6	10
111	Inflation and Deflation of Rubber Dam. , 2019, , 67-98.		3
112	Life Cycle Assessment of Rubber Dam. , 2019, , 99-122.		0
113	Understanding effect of solution chemistry on heteroaggregation of zinc oxide and copper oxide nanoparticles. <i>Chemosphere</i> , 2019, 235, 457-469.	8.2	36
114	Synthesis and characterization of Mg-Ag-Mn nano-ferrites for electromagnet applications. <i>Physica B: Condensed Matter</i> , 2019, 569, 1-7.	2.7	52
115	Genetic analysis of ATP7B in 102 south Indian families with Wilson disease. <i>PLoS ONE</i> , 2019, 14, e0215779.	2.5	10
116	Study of magnetic, Mössbauer and microwave properties of $\text{Ba}_3\text{Co}_{2-x}\text{Zn}_x\text{Cu}_y\text{Fe}_{24}\text{O}_{41}$ hexaferrite. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
117	Determination of the particle load based on detailed suspended sediment measurements at a hydropower plant. <i>International Journal of Sediment Research</i> , 2019, 34, 409-421.	3.5	13
118	Design and analysis of circular patch antenna for WBAN at terahertz frequency. <i>Optik</i> , 2019, 185, 529-536.	2.9	29
119	Water Quality-Based Environmental Flow under Plausible Temperature and Pollution Scenarios. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	1.9	12
120	Experimental validation of performance and degradation study of canal-top photovoltaic system. <i>Applied Energy</i> , 2019, 243, 102-118.	10.1	42
121	Performance Assessment of Different Photovoltaic Technologies for Canal-Top and Reservoir Applications in Subtropical Humid Climate. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 722-732.	2.5	32
122	Stability analysis of reduced order building energy models for optimal energy control. , 2019, , .		1
123	Assessment of toxic interaction of nano zinc oxide and nano copper oxide on germination of <i>Raphanus sativus</i> seeds. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 703.	2.7	19
124	Surface-Engineered MXenes: Electric Field Control of Magnetism and Enhanced Magnetic Anisotropy. <i>ACS Nano</i> , 2019, 13, 2831-2839.	14.6	126
125	Design and analysis of a terahertz antenna for wireless body area networks. <i>Optik</i> , 2019, 179, 684-690.	2.9	33
126	Water Conservation Technologies. , 2019, , 11-24.		2

#	ARTICLE	IF	CITATIONS
127	Superior thermomechanical and wetting properties of ultrasonic dual mode mixing assisted epoxy-CNT nanocomposites. High Performance Polymers, 2019, 31, 32-42.	1.8	12
128	Highly sensitive temperature sensor based on a long period grating inscribed metal clad ridge waveguide with PDMS surrounding. OSA Continuum, 2019, 2, 946.	1.8	10
129	Single-ended Speech Quality Evaluation Using Linear Combination of the Quality Score Estimates of Multi-Instances Features. Recent Advances in Electrical and Electronic Engineering, 2019, 12, 464-474.	0.3	1
130	Efficacious and Selective Oxidation of Atrazine with Hydrogen Peroxide Catalyzed by Magnetite Nanoparticles: Influence of Reaction Media. ChemistrySelect, 2018, 3, 2135-2139.	1.5	7
131	Influence of Stacking sequence and thickness on the free vibrational behaviour of Carbon/epoxy laminates. Materials Today: Proceedings, 2018, 5, 7701-7707.	1.8	3
132	Toward 100 Micrometer per Refractive Index Unit Sensitive Sensor Using a Compact Long-Period Grating Inscribed Metal Clad Ridge Waveguide. Journal of Lightwave Technology, 2018, 36, 2024-2030.	4.6	11
133	MWCNTs toward superior strength of epoxy adhesive joint on mild steel adherent. Composites Part B: Engineering, 2018, 143, 207-216.	12.0	40
134	Electromagnetic radiation analysis of planar, segmented and circular array antenna in THz applications. Optik, 2018, 158, 1394-1401.	2.9	5
135	Genetic parameters for neonatal mortality in lambs at semi-arid region of Rajasthan India. Livestock Science, 2018, 210, 85-92.	1.6	12
136	Refractive index sensing using silicon-on-insulator waveguide based modal interferometer. Optik, 2018, 156, 961-967.	2.9	10
137	Removal of ZnO and CuO Nanoparticles from Water Using an Activated Carbon Column. Journal of Environmental Engineering, ASCE, 2018, 144, .	1.4	8
138	<i>In Situ</i> Dealloying of Bulk Mg ₂ Sn in Mg-Ion Half Cell as an Effective Route to Nanostructured Sn for High Performance Mg-Ion Battery Anodes. Chemistry of Materials, 2018, 30, 1815-1824.	6.7	80
139	Applicability of and potential barriers preventing allogeneic stem cell transplant in sickle cell patients treated outside a sickle cell program. American Journal of Hematology, 2018, 93, E150-E152.	4.1	5
140	Preliminary evidence of nanoparticle occurrence in water from different regions of Delhi (India). Environmental Monitoring and Assessment, 2018, 190, 240.	2.7	2
141	An anatomically accurate dielectric profile of the porcine kidney. Biomedical Physics and Engineering Express, 2018, 4, 025042.	1.2	6
142	Prediction of optimal structural water concentration for maximized performance in tunnel manganese oxide electrodes. Physical Chemistry Chemical Physics, 2018, 20, 9480-9487.	2.8	12
143	Identifying Challenges in Assessing Risks of Exposures of Silver Nanoparticles. Exposure and Health, 2018, 10, 61-75.	4.9	18
144	Sequential calibration of a water quality model using reach-specific parameter estimates. Hydrology Research, 2018, 49, 1042-1055.	2.7	13

#	ARTICLE	IF	CITATIONS
145	Viscoelastic and thermally stable PDMS-SiO ₂ filled epoxy adhesive joint on steel substrate. <i>Polymer Composites</i> , 2018, 39, 2889-2896.	4.6	10
146	Femtosecond Pulse Propagation through Au and Ag Nanowires. <i>Plasmonics</i> , 2018, 13, 1027-1033.	3.4	0
147	Investigation of structural and dielectric properties of La-Ni doped bismuth nano ferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1107-1117.	2.2	7
148	Investigating long-term effect of nanoparticles on growth of <i>Raphanus sativus</i> plants: a trans-generational study. <i>Ecotoxicology</i> , 2018, 27, 23-31.	2.4	35
149	UDM enhanced physical and mechanical properties through the formation of nanocavities in an epoxy matrix. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 784-790.	8.2	6
150	MWCNT/TiO ₂ hybrid nano filler toward high-performance epoxy composite. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 37-46.	8.2	68
151	Alloyed monolayers of Cu, Ag, Au and Pt in hexagonal phase: A comprehensive first principles study. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 228, 84-90.	3.5	17
152	Solvent Extraction and GC-MS Analysis of Sesame Seeds for Determination of Bioactive Antioxidant Fatty Acid/Fatty Oil Components. <i>Drug Research</i> , 2018, 68, 344-348.	1.7	19
153	Sesamol ameliorates radiation induced DNA damage in hematopoietic system of whole body ¹³⁷ Cs irradiated mice. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 79-90.	2.2	26
154	Power Estimation of Photovoltaic System using 4 and 5-parameter Solar Cell Models under Real Outdoor Conditions. , 2018, , .		5
155	Magnetic study of GdxBi1-xFeO3 multiferroics synthesized by solution combustion technique. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
156	Phytoremediation-A Sustainable Solution for Reducing Heavy Metal Contamination from the Bhalaswa Landfill Site. , 2018, , .		2
157	Refractive Index Sensing Using Silicon-on-Insulator Waveguide Based Directional Coupler. , 2018, 2, 1-4.		10
158	Phase Transition in Monolayer Water Confined in Janus Nanopore. <i>Langmuir</i> , 2018, 34, 12199-12205.	3.5	18
159	Study and analysis of filtering characteristics of 1D photonic crystal. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
160	Prediction of Enhanced Catalytic Activity for Hydrogen Evolution Reaction in Janus Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2018, 18, 3943-3949.	9.1	267
161	Characterization of the Dielectric Properties of the Bladder Over the Microwave Range. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2018, 2, 208-215.	3.4	9
162	Nanofibrous artificial skin substitute composed of mPEG-PCL grafted gelatin/hyaluronan/chondroitin sulfate/sericin for 2nd degree burn care: in vitro and in vivo study. <i>RSC Advances</i> , 2018, 8, 16420-16432.	3.6	36

#	ARTICLE	IF	CITATIONS
163	Drug-eluting stents versus bare-metal stents in saphenous vein grafts: a double-blind, randomised trial. <i>Lancet, The</i> , 2018, 391, 1997-2007.	13.7	70
164	Crystal Structure of a ligand-bound LacYâ€“Nanobody Complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8769-8774.	7.1	32
165	Exploring the Feasibility of Adsorptive Removal of ZnO Nanoparticles from Wastewater. <i>Water Environment Research</i> , 2018, 90, 409-423.	2.7	9
166	Tuning Noncollinear Spin Structure and Anisotropy in Ferromagnetic Nitride MXenes. <i>ACS Nano</i> , 2018, 12, 6319-6325.	14.6	101
167	Genetic analysis of the glucocerebrosidase gene in South Indian patients with Parkinson's disease. <i>Neurology India</i> , 2018, 66, 1649.	0.4	3
168	Rediscovering the drug discovery with natural products as therapeutic tools. <i>Journal of Natural Science, Biology and Medicine</i> , 2018, 9, 1.	1.0	3
169	Performance of a novel, manually operated intraosseous device in adult human cadavers. <i>American Journal of Disaster Medicine</i> , 2018, 13, 5-12.	0.3	0
170	Highly Sensitive Temperature Sensor based on a Long Period Waveguide Grating with Polymer Upper Cladding and Metal Under Cladding. , 2018, , .		0
171	Estimation of water pollution and probability of health risk due to imbalanced nutrients in River Ganga, India. <i>International Journal of River Basin Management</i> , 2017, 15, 53-60.	2.7	53
172	Thermo-mechanical and anti-corrosive properties of MWCNT/epoxy nanocomposite fabricated by innovative dispersion technique. <i>Composites Part B: Engineering</i> , 2017, 113, 291-299.	12.0	114
173	Selective M2 Macrophage Depletion Leads to Prolonged Inflammation in Surgical Wounds. <i>European Surgical Research</i> , 2017, 58, 109-120.	1.3	54
174	A homozygous mutation in <i>TRIM36</i> causes autosomal recessive anencephaly in an Indian family. <i>Human Molecular Genetics</i> , 2017, 26, ddx020.	2.9	21
175	Long-term effect of metal oxide nanoparticles on activated sludge. <i>Water Science and Technology</i> , 2017, 75, 462-473.	2.5	7
176	Urea assisted synthesis of Ni _{1-x} Zn _x Fe ₂ O ₄ (0.8): Magnetic and Mössbauer investigations. <i>Journal of Alloys and Compounds</i> , 2017, 704, 227-236.	5.5	48
177	Micronutrients Drift During Daily and Weekly Iron Supplementation in Non-anaemic and Anaemic Pregnancy. <i>Indian Journal of Clinical Biochemistry</i> , 2017, 32, 473-479.	1.9	3
178	Enhancement of refractive index sensitivity of Bragg-gratings based optical waveguide sensors using a metal under-cladding. <i>Optics Communications</i> , 2017, 396, 83-87.	2.1	22
179	Isolation and characterization of a thermostable F420:NADPH oxidoreductase from <i>Thermobifida fusca</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 10123-10130.	3.4	17
180	Estimation of environmental flow incorporating water quality and hypothetical climate change scenarios. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 225.	2.7	20

#	ARTICLE	IF	CITATIONS
181	Intercalation of Li atom/ion into pristine silicon nanotube: A first principle study. AIP Conference Proceedings, 2017, , .	0.4	0
182	Tunable Magnetism and Transport Properties in Nitride MXenes. ACS Nano, 2017, 11, 7648-7655.	14.6	276
183	<i>Ovar-MHC</i> Polymorphism in Malpura and Avikalin Sheep Vaccinated for Peste des Petits Ruminants (PPR) Virus. Animal Biotechnology, 2017, 28, 306-314.	1.5	7
184	Magnetic and dielectric properties of Ceâ€“Co substituted BiFeO₃multiferroics. Materials Research Express, 2017, 4, 036104.	1.6	15
185	Combinatorial delivery of superparamagnetic iron oxide nanoparticles (Fe_3O_4) and doxorubicin using folate conjugated redox sensitive multiblock polymeric nanocarriers for enhancing the chemotherapeutic efficacy in cancer cells. Materials Science and Engineering C, 2017, 75, 1128-1143.	7.3	24
186	Rational Design of Two-Dimensional Metallic and Semiconducting Spintronic Materials Based on Ordered Double-Transition-Metal MXenes. Journal of Physical Chemistry Letters, 2017, 8, 422-428.	4.6	165
187	Novel mitochondria targeted copper (<sc>ii</sc>) complexes of ferrocenyl terpyridine and anticancer active 8-hydroxyquinolines showing remarkable cytotoxicity, DNA and protein binding affinity. Dalton Transactions, 2017, 46, 396-409.	3.3	97
188	Removal of mixture of ZnO and CuO nanoparticles (NPs) from water using activated carbon in batch kinetic studies. Water Science and Technology, 2017, 75, 928-943.	2.5	15
189	An efficient parameters extraction technique of photovoltaic models for performance assessment. Solar Energy, 2017, 158, 192-206.	6.1	101
190	Hydro-abrasive erosion in Pelton buckets: Classification and field study. Wear, 2017, 392-393, 8-20.	3.1	47
191	Curcumin â€œDrugâ€•Stabilized in Oxidovanadium(IV)-BODIPY Conjugates for Mitochondria-Targeted Photocytotoxicity. Inorganic Chemistry, 2017, 56, 12457-12468.	4.0	51
192	Cation distribution: a key to ascertain the magnetic interactions in a cobalt substituted Mgâ€“Mn nanoferrite matrix. Physical Chemistry Chemical Physics, 2017, 19, 16669-16680.	2.8	76
193	Non-intrusive speech quality estimation as combination of estimates using multiple time-scale auditory features. , 2017, 70, 114-124.		3
194	Effect of tobacco control policies on perinatal and child health: a systematic review and meta-analysis. Lancet Public Health, The, 2017, 2, e420-e437.	10.0	151
195	Thermally sprayed alumina and ceria-doped-alumina coatings on AZ91 Mg alloy. Surface and Coatings Technology, 2017, 332, 533-541.	4.8	15
196	Investigation of structural and magnetic properties of Tbâ€“Ni-doped bismuth ferrite nanoparticles by auto-combustion method. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	26
197	Confined Water: Structure, Dynamics, and Thermodynamics. Accounts of Chemical Research, 2017, 50, 2139-2146.	15.6	168
198	Optical switch based on nonlinear one dimensional photonic band gap material. Optik, 2017, 145, 473-478.	2.9	14

#	ARTICLE	IF	CITATIONS
199	Structural, magnetic and Mössbauer studies of Nd-doped Mg-Mn ferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 77-86.	2.3	34
200	Chlorination disinfection by-products and comparative cost analysis of chlorination and UV disinfection in sewage treatment plants: Indian scenario. <i>Environmental Science and Pollution Research</i> , 2017, 24, 26269-26278.	5.3	51
201	Rietveld-refinement and optical study of the Fe doped ZnO thin film by RF magnetron sputtering. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
202	Heat and Bleach: A Cost-Efficient Method for Extracting Microplastics from Return Activated Sludge. <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 73, 641-648.	4.1	90
203	Metabolo-transcriptome profiling of barley reveals induction of chitin elicitor receptor kinase gene (HvCERK1) conferring resistance against <i>Fusarium graminearum</i> . <i>Plant Molecular Biology</i> , 2017, 93, 247-267.	3.9	55
204	Electronic, Mechanical, and Dielectric Properties of Two-Dimensional Atomic Layers of Noble Metals. <i>Journal of Electronic Materials</i> , 2017, 46, 650-659.	2.2	18
205	Effect of cross-sectional shape on the propagation characteristics of fundamental plasmon mode guided along Au and Ag nanowires. <i>Optics Communications</i> , 2017, 382, 337-341.	2.1	6
206	A compact and ultra high sensitive RI sensor using modal interference in an integrated optic waveguide with metal under-cladding. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 1302-1307.	7.8	14
207	Comparative cytotoxicity of nanoparticles and ions to <i>Escherichia coli</i> in binary mixtures. <i>Journal of Environmental Sciences</i> , 2017, 55, 11-19.	6.1	3
208	Effect of Gd ³⁺ substitution on structural, magnetic, dielectric and optical properties of nanocrystalline CoFe ₂ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 252-263.	2.3	83
209	Folic acid and trastuzumab conjugated redox responsive random multiblock copolymeric nanocarriers for breast cancer therapy: In-vitro and in-vivo studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 369-378.	5.0	47
210	Performance assessment and degradation analysis of solar photovoltaic technologies: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 78, 554-587.	16.4	185
211	Beam steering in antenna. , 2017, , .		7
212	Direction-finding accuracy of an air acoustic vector sensor in correlated noise field. , 2017, , .		3
213	Date Palm (<i>Phoenix dactylifera</i>) Fruits as a Potential Cardioprotective Agent: The Role of Circulating Progenitor Cells. <i>Frontiers in Pharmacology</i> , 2017, 8, 592.	3.5	32
214	Ultrahigh-sensitive temperature sensor based on modal interference in a metal-under-clad ridge waveguide with a polymer upper cladding. <i>Applied Optics</i> , 2017, 56, 4685.	2.1	15
215	Conversion of Furans by Baeyer-Villiger Monooxygenases. <i>Catalysts</i> , 2017, 7, 179.	3.5	18
216	Direction-of-arrival estimation algorithms using single acoustic vector-sensor. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
217	A Review of Ultrafine Particle-Related Pollution during Vehicular Motion, Health Effects and Control. <i>Journal of Environmental Science and Public Health</i> , 2017, 01, 268-288.	0.2	9
218	Vestibular stimulation for stress management: Attributing the vestibular system networks in potentially regulating physiology beyond body movements and balance. <i>Journal of Natural Science, Biology and Medicine</i> , 2017, 8, 1.	1.0	1
219	The dynamics of technology in revolutionizing education and research. <i>Journal of Natural Science, Biology and Medicine</i> , 2017, 8, 137.	1.0	0
220	A tactical supply chain planning model with multiple flexibility options: an empirical evaluation. <i>Annals of Operations Research</i> , 2016, 244, 429-454.	4.1	32
221	Refined glufosinate selection and its extent of exposure for improving the <i>Agrobacterium</i>-mediated transformation in Indian soybean (<i>Glycine</i>) Tj ETQq1 1 0.784314.ogBT /Overlock 10T		
222	Impact of Irrigation Using Water Containing CuO and ZnO Nanoparticles on Spinach oleracea Grown in Soil Media. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 548-553.	2.7	70
223	A Novel Selectable Islet 1 Positive Progenitor Cell Reprogrammed to Expandable and Functional Smooth Muscle Cells. <i>Stem Cells</i> , 2016, 34, 1354-1368.	3.2	3
224	Non-intrusive objective speech quality evaluation using multiple time-scale estimates of multi-resolution auditory model (MRAM) features. , 2016, , .		2
225	Lyon's auditory features and MRAM features comparison for non-intrusive speech quality assessment in narrowband speech. , 2016, , .		3
226	Anticorrosive and electromagnetic shielding response of a graphene/TiO ₂ epoxy nanocomposite with enhanced mechanical properties. <i>RSC Advances</i> , 2016, 6, 113405-113414.	3.6	53
227	Fundamental Mechanisms of Solvent Decomposition Involved in Solid-Electrolyte Interphase Formation in Sodium Ion Batteries. <i>Chemistry of Materials</i> , 2016, 28, 8930-8941.	6.7	108
228	Cognitive radio system with OFDM and beamforming technique for data communication. , 2016, , .		2
229	Photocatalytic and Antibacterial Activity Studies of ZnO Nanoparticles Synthesized by Thermal Decomposition of Mechanochemically Processed Oxalate Precursor. <i>ChemistrySelect</i> , 2016, 1, 6925-6932.	1.5	15
230	Design and analysis of air acoustic vector-sensor configurations for two-dimensional geometry. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 2815-2832.	1.1	13
231	Investigation on structural and electrical properties of Fe doped ZnO nanoparticles synthesized by solution combustion method. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	3
232	Assessing Exposure of Fullerenes/Functionalized Fullerenes from Water: Risk, Challenges, and Knowledge Gaps. <i>Exposure and Health</i> , 2016, 8, 177-192.	4.9	2
233	Limits of Coherency and Strain Transfer in Flexible 2D van der Waals Heterostructures: Formation of Strain Solitons and Interlayer Debonding. <i>Scientific Reports</i> , 2016, 6, 21516.	3.3	49
234	Improving mechanical and thermal properties of TiO ₂ -epoxy nanocomposite. <i>Composites Part B: Engineering</i> , 2016, 97, 353-360.	12.0	126

#	ARTICLE	IF	CITATIONS
235	Cellular imaging and mitochondria targeted photo-cytotoxicity in visible light by singlet oxygen using a BODIPY-appended oxovanadium(VO^{2+}) DNA crosslinking agent. <i>MedChemComm</i> , 2016, 7, 1398-1404.	3.4	13
236	The Aurora-B-dependent NoCut checkpoint prevents damage of anaphase bridges after DNA replication stress. <i>Nature Cell Biology</i> , 2016, 18, 516-526.	10.3	53
237	Antioxidant and in vivo genoprotective effects of phenolic compounds identified from an endophytic <i>Cladosporium velox</i> and their relationship with its host plant <i>Tinospora cordifolia</i> . <i>Journal of Ethnopharmacology</i> , 2016, 194, 450-456.	4.1	29
238	Defective Graphene and Graphene Allotropes as High-Capacity Anode Materials for Mg Ion Batteries. <i>ACS Energy Letters</i> , 2016, 1, 638-645.	17.4	73
239	CRISPR/Cas9: a promising way to exploit genetic variation in plants. <i>Biotechnology Letters</i> , 2016, 38, 1991-2006.	2.2	46
240	Modeling and simulation of a simple building energy system. , 2016, , .		6
241	Analyzing hydro abrasive erosion in Kaplan turbine: A case study from India. <i>Journal of Hydrodynamics</i> , 2016, 28, 863-872.	3.2	25
242	BODIPY appended copper(Cu^{II}) complexes for cellular imaging and singlet oxygen mediated anticancer activity in visible light. <i>RSC Advances</i> , 2016, 6, 104474-104482.	3.6	37
243	Multiple time-scale estimates of Lyon's auditory features for non-intrusive speech quality assessment. , 2016, , .		2
244	Impurity analysis and dissolution behaviour of plutonium bearing impure MOX scrap: an assessment of recycling feasibility. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 309, 1159-1168.	1.5	7
245	Separation of zinc oxide nanoparticles in water stream by membrane filtration. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 148-155.	2.3	5
246	Investigation of structural, magnetic and Mössbauer properties of Co^{2+} and Cu^{2+} substituted Ni^{2+} Zn nanoferrites. <i>Ceramics International</i> , 2016, 42, 4993-5000.	4.8	21
247	Structural, magnetic and Mössbauer study of $\text{BaLaFe}_{12}\text{O}_{19}$ nanohexaferrites synthesized via sol-gel auto-combustion technique. <i>Ceramics International</i> , 2016, 42, 5011-5017.	4.8	28
248	Inflatable dams for shp projects. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 57, 945-952.	16.4	14
249	Photocytotoxic ternary copper(II) complexes of histamine Schiff base and pyridyl ligands. <i>Journal of Chemical Sciences</i> , 2016, 128, 165-175.	1.5	13
250	Hyperfine interaction and tuning of magnetic anisotropy of Cu doped CoFe_2O_4 ferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 411, 91-97.	2.3	85
251	Identification, characterization, validation and cross-species amplification of genic-SSRs in Indian Mustard (<i>Brassica juncea</i>). <i>Journal of Plant Biochemistry and Biotechnology</i> , 2016, 25, 410-420.	1.7	19
252	Effect of Fe-doping on the structural, optical and magnetic properties of ZnO thin films prepared by RF magnetron sputtering. <i>Ceramics International</i> , 2016, 42, 7918-7923.	4.8	20

#	ARTICLE	IF	CITATIONS
253	A review on modeling and simulation of building energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 1272-1292.	16.4	439
254	Towards understanding the biological function of the unusual chaperonin Cpn60.1 (GroEL1) of <i>Mycobacterium tuberculosis</i> . <i>Tuberculosis</i> , 2016, 97, 137-146.	1.9	23
255	Enhanced solubilization of curcumin in mixed surfactant vesicles. <i>Food Chemistry</i> , 2016, 199, 660-666.	8.2	45
256	Performance evaluation of desilting basins of small hydropower projects. <i>ISH Journal of Hydraulic Engineering</i> , 2016, 22, 135-141.	2.1	13
257	Reduced order modeling and parameter identification of a building energy system model through an optimization routine. <i>Applied Energy</i> , 2016, 162, 1010-1023.	10.1	71
258	Ultra high sensitive integrated optical waveguide refractive index sensor based on multimode interference. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 556-561.	7.8	21
259	A stochastic approach for the operation of a wind and pumped storage plant under a deregulated environment. <i>International Journal of Green Energy</i> , 2016, 13, 55-62.	3.8	17
260	(Cationic + nonionic) mixed surfactant aggregates for solubilisation of curcumin. <i>Journal of Chemical Thermodynamics</i> , 2016, 93, 115-122.	2.0	32
261	Heavy Metal Removal from Industrial Wastewater Using Fungi: Uptake Mechanism and Biochemical Aspects. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	40
262	Functional molecular markers for crop improvement. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 917-930.	9.0	63
263	Genetic Analysis of PLA2G6 in 22 Indian Families with Infantile Neuroaxonal Dystrophy, Atypical Late-Onset Neuroaxonal Dystrophy and Dystonia Parkinsonism Complex. <i>PLoS ONE</i> , 2016, 11, e0155605.	2.5	26
264	Synthesis, Structure Activity Relationship (SAR), and Biological Activities of Benzylideneacetophenones Derivatives. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , 2016, 14, 172-182.	1.1	1
265	Precision editing the cells and engineering or re-engineering life, the era of geno-pharmacology/therapeutics has begun!! <i>Journal of Natural Science, Biology and Medicine</i> , 2016, 7, 1.	1.0	1
266	Hoping rosuvastatin for primary prevention of cardiovascular events, are all statins similar and are we ready for statinizing the globe?. <i>Journal of Natural Science, Biology and Medicine</i> , 2016, 7, 117.	1.0	3
267	The Glide/Ccm fate determinant controls initiation of collective cell migration by regulating Frazzled. <i>ELife</i> , 2016, 5, .	6.0	4
268	Genomic amplification upregulates estrogen-related receptor alpha and its depletion inhibits oral squamous cell carcinoma tumors in vivo. <i>Scientific Reports</i> , 2015, 5, 17621.	3.3	18
269	Bone Marrow-Derived Mesenchymal Stem Cells Have Innate Procoagulant Activity and Cause Microvascular Obstruction Following Intracoronary Delivery: Amelioration by Antithrombin Therapy. <i>Stem Cells</i> , 2015, 33, 2726-2737.	3.2	97
270	Intraperitoneal co-administration of low dose urethane with xylazine and ketamine for extended duration of surgical anesthesia in rats. <i>Laboratory Animal Research</i> , 2015, 31, 174.	2.5	7

#	ARTICLE	IF	CITATIONS
271	Systemic and Cardiac Depletion of M2 Macrophage through CSF-1R Signaling Inhibition Alters Cardiac Function Post Myocardial Infarction. PLoS ONE, 2015, 10, e0137515.	2.5	72
272	Need for evidence-based practice at grass root level to improve child health and development. Journal of Natural Science, Biology and Medicine, 2015, 6, 1.	1.0	9
273	Non-intrusive speech quality assessment using multi-resolution auditory model features for degraded narrowband speech. IET Signal Processing, 2015, 9, 638-646.	1.5	18
274	Improving thermal and electrical properties of graphene-PMMA nanocomposite. Polymer Science - Series A, 2015, 57, 829-835.	1.0	10
275	Identifying Knowledge Gaps in Assessing Implication of Engineered Nanomaterials on Wastewater Reuse. ACS Symposium Series, 2015, , 135-148.	0.5	1
276	Multifunctional ATRP based pH responsive polymeric nanoparticles for improved doxorubicin chemotherapy in breast cancer by proton sponge effect/endo-lysosomal escape. Polymer Chemistry, 2015, 6, 2115-2132.	3.9	54
277	Optical waveguide biosensor based on modal interference between surface plasmon modes. Sensors and Actuators B: Chemical, 2015, 211, 456-461.	7.8	11
278	Driving force of water entry into hydrophobic channels of carbon nanotubes: entropy or energy?. Molecular Simulation, 2015, 41, 504-511.	2.0	20
279	Evaluating the promise of <i>Trichoderma</i> and <i>Anabaena</i> based biofilms as multifunctional agents in <i>Macrophomina phaseolina</i> -infected cotton crop. Biocontrol Science and Technology, 2015, 25, 656-670.	1.3	40
280	Synthetic Chemically Modified mRNA-Based Delivery of Cytoprotective Factor Promotes Early Cardiomyocyte Survival Post-Acute Myocardial Infarction. Molecular Pharmaceutics, 2015, 12, 991-996.	4.6	54
281	Letter by Kumar Regarding Article, "Contribution of Intimal Smooth Muscle Cells to Cholesterol Accumulation and Macrophage-Like Cells in Human Atherosclerosis". Circulation, 2015, 131, e24.	1.6	0
282	Whole exome sequencing in an Indian family links Coats plus syndrome and dextrocardia with a homozygous novel CTC1 and a rare HES7 variation. BMC Medical Genetics, 2015, 16, 5.	2.1	16
283	Tuned electronic, optical and mechanical properties of pristine and hetero nanotubes of group IV elements (C, Si and Ge). Physica E: Low-Dimensional Systems and Nanostructures, 2015, 73, 54-62.	2.7	10
284	Structure of LacY with an $\hat{\pm}$ -substituted galactoside: Connecting the binding site to the protonation site. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9004-9009.	7.1	45
285	Elastic Deformations in 2D van der waals Heterostructures and their Impact on Optoelectronic Properties: Predictions from a Multiscale Computational Approach. Scientific Reports, 2015, 5, 10872.	3.3	76
286	Folic Acid and Trastuzumab Functionalized Redox Responsive Polymersomes for Intracellular Doxorubicin Delivery in Breast Cancer. Biomacromolecules, 2015, 16, 1736-1752.	5.4	106
287	Palladium($\langle scp \rangle ii \langle /scp \rangle$)-1-phenylthio-2-arylchalcogenoethane complexes: palladium phosphide nano-peanut and ribbon formation controlled by chalcogen and Suzuki coupling activation. Dalton Transactions, 2015, 44, 6600-6612.	3.3	31
288	Broadening and tuning of omni-directional reflection gap in a 1D photonic crystal consisting semiconducting constituents. Optik, 2015, 126, 977-980.	2.9	1

#	ARTICLE	IF	CITATIONS
289	Calculation of propagation characteristics of surface plasmons in gold/silver nanowires. <i>Applied Optics</i> , 2015, 54, 3715.	2.1	18
290	Omnidirectional reflector using linearly graded refractive index profile of 1D binary and ternary photonic crystal. <i>Optik</i> , 2015, 126, 1146-1149.	2.9	20
291	Molecular sex identification of red panda (<i>Ailurus fulgens</i>) suitable for noninvasive genetic studies. <i>European Journal of Wildlife Research</i> , 2015, 61, 641-644.	1.4	1
292	Efficient catalytic activation of Suzuki-Miyaura C coupling reactions with recyclable palladium nanoparticles tailored with sterically demanding di-n-alkyl sulfides. <i>RSC Advances</i> , 2015, 5, 20081-20089.	3.6	23
293	ROP and ATRP Fabricated Dual Targeted Redox Sensitive Polymersomes Based on pPEGMA-PCL-ss-PCL-pPEGMA Triblock Copolymers for Breast Cancer Therapeutics. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9211-9227.	8.0	70
294	Sesamol attenuates genotoxicity in bone marrow cells of whole-body γ -irradiated mice. <i>Mutagenesis</i> , 2015, 30, 651-661.	2.6	30
295	Design of a thermally tunable optical filter based on one-dimensional ternary photonic band gap material. <i>Optik</i> , 2015, 126, 3030-3033.	2.9	6
296	Studies on Thermal and Mechanical Properties of Epoxy-Silicon Oxide Hybrid Materials. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 4440-4448.	2.5	4
297	Continuous measurement of suspended sediment concentration: Technological advancement and future outlook. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 76, 209-227.	5.0	74
298	Effects of Nano Silver Oxide and Silver Ions on Growth of <i>Vigna radiata</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 379-384.	2.7	22
299	Investigation of super-exchange interactions in BaHoxFe12xO19 (0.1x%o0.4) nanohexaferrites and exploration at ultra high frequency region. <i>Ceramics International</i> , 2015, 41, 11693-11701.	4.8	9
300	Synthesis and biological evaluation of dual functionalized glutathione sensitive poly(ester-urethane) multiblock polymeric nanoparticles for cancer targeted drug delivery. <i>Polymer Chemistry</i> , 2015, 6, 7603-7617.	3.9	18
301	A novel CX3CR1 antagonist eluting stent reduces stenosis by targeting inflammation. <i>Biomaterials</i> , 2015, 69, 22-29.	11.4	17
302	Authentication of goat (<i>Capra hircus</i>) meat using PCR amplification of mitochondrial cytochrome b gene. <i>Small Ruminant Research</i> , 2015, 131, 17-20.	1.2	8
303	Toxicity of a Mixture of Metal Oxide Nanoparticles on Activated Sludge. <i>ACS Symposium Series</i> , 2015, , 149-165.	0.5	1
304	A first principle study of encapsulated and functionalized silicon nanotube of chirality (6,6) with monoatomically thin metal wires of Ag, Au and Cu. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 68, 1-7.	2.7	4
305	Structure, dynamics and thermodynamics of single-file water under confinement: effects of polarizability of water molecules. <i>RSC Advances</i> , 2015, 5, 1893-1901.	3.6	24
306	Allogeneic mesenchymal stem cells, but not culture modified monocytes, improve burn wound healing. <i>Burns</i> , 2015, 41, 548-557.	1.9	41

#	ARTICLE	IF	CITATIONS
307	Identification of Species Origin of Meat and Meat Products on the DNA Basis: A Review. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 1340-1351.	10.3	94
308	Identifying Knowledge Gaps in Assessing Health Risks due to Exposures of Nanoparticles from Contaminated Edible Plants. , 2015, , 235-247.		2
309	A rare case of isoniazid-induced erythroderma. <i>Indian Journal of Pharmacology</i> , 2015, 47, 682.	0.7	12
310	The prevalence of mandibular incisive nerve canal and to evaluate its average location and dimension in Indian population. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2015, 7, 594.	0.6	10
311	Advancement in biochemical diagnostics and regenerative medicine leading to integration of dentistry into 360° health program. <i>Journal of Natural Science, Biology and Medicine</i> , 2015, 6, 283.	1.0	2
312	Performance Enhancement of Evanescent-field Based Optical Waveguide Bio-sensors Using Metal Under-cladding. , 2015, , .		1
313	Effects of Biosolids and Manure Application on Microbial Water Quality in Rural Areas in the US. <i>Water (Switzerland)</i> , 2014, 6, 3701-3723.	2.7	35
314	Techniques used to construct an energy model for attaining energy efficiency in building: A review. , 2014, , .		9
315	Nanomaterials and the Environment. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-4.	2.7	7
316	Engineered Nanomaterials: Knowledge Gaps in Fate, Exposure, Toxicity, and Future Directions. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-16.	2.7	33
317	Structural, electronic and optical properties of armchair silicon nanotube of chirality (6,6). , 2014, , .		4
318	A novel peptide interferes with <i>Mycobacterium tuberculosis</i> virulence and survival. <i>FEBS Open Bio</i> , 2014, 4, 735-740.	2.3	3
319	Construction of an Uricase Nanoparticles Modified Au Electrode for Amperometric Determination of Uric Acid. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 1683-1694.	2.9	30
320	Visual Degradation in Field-Aged Crystalline Silicon PV Modules in India and Correlation With Electrical Degradation. <i>IEEE Journal of Photovoltaics</i> , 2014, 4, 1470-1476.	2.5	82
321	Including nanoparticle mixtures in human health risk assessment. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 144-144.	2.9	5
322	Transport properties of pristine and alloyed free standing ultrathin nanowires of noble metals. <i>Journal of Alloys and Compounds</i> , 2014, 615, 194-203.	5.5	13
323	MicroRNA-125a Reduces Proliferation and Invasion of Oral Squamous Cell Carcinoma Cells by Targeting Estrogen-related Receptor β . <i>Journal of Biological Chemistry</i> , 2014, 289, 32276-32290.	3.4	56
324	Evidence that TSC2 acts as a transcription factor and binds to and represses the promoter of Epi-regulin. <i>Nucleic Acids Research</i> , 2014, 42, 6243-6255.	14.5	17

#	ARTICLE	IF	CITATIONS
325	Anatomy and physiology of peer review process, can it be unbiased?. Journal of Natural Science, Biology and Medicine, 2014, 5, 1.	1.0	1
326	Structure of sugar-bound LacY. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1784-1788.	7.1	111
327	Cadmium and lead remediation using magnetic oak wood and oak bark fast pyrolysis bio-chars. Chemical Engineering Journal, 2014, 236, 513-528.	12.7	446
328	Palladium(II) complex of an organotellurium ligand as a catalyst for Suzuki Miyaura coupling: Generation and role of nano-sized Pd ₃ Te ₂ . Journal of Organometallic Chemistry, 2014, 749, 1-6.	1.8	46
329	Topology dependent electronic and dielectric properties of free standing alloyed ultrathin nanowires of noble metals. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 62, 136-146.	2.7	9
330	Silicon Based One-Dimensional Photonic Crystal as a TM-Mode Filter. Silicon, 2014, 6, 73-78.	3.3	25
331	Estimation of instantaneous frequencies using iterative empirical mode decomposition. Signal, Image and Video Processing, 2014, 8, 799-812.	2.7	10
332	Influence of pendent alkyl chains on Heck and Sonogashira C-C coupling catalyzed with palladium(II) complexes of selenated Schiff bases having liquid crystalline properties. Journal of Organometallic Chemistry, 2014, 753, 42-47.	1.8	29
333	Complex of 2-(methylthio)aniline with palladium(II) as an efficient catalyst for Suzuki-Miyaura CC coupling in eco-friendly water. Journal of Hazardous Materials, 2014, 269, 18-23.	12.4	24
334	Efficient catalysis of Suzuki-Miyaura CC coupling reactions with palladium(II) complexes of partially hydrolyzed bisimine ligands: A process important in environment context. Journal of Hazardous Materials, 2014, 269, 9-17.	12.4	33
335	Transcriptional Repression of Tumor Suppressor CDC73, Encoding an RNA Polymerase II Interactor, by Wilms Tumor 1 Protein (WT1) Promotes Cell Proliferation. Journal of Biological Chemistry, 2014, 289, 968-976.	3.4	26
336	A Simple and Accurate Method to Analyze Lossy Optical Waveguides: Applications to Surface Plasmon Resonance Based Devices. Journal of Lightwave Technology, 2014, 32, 947-951.	4.6	11
337	Demand side management in India: Action plan, policies and regulations. Renewable and Sustainable Energy Reviews, 2014, 33, 613-624.	16.4	65
338	Genome wide DNA methylation profiling for epigenetic alteration in coronary artery disease patients. Gene, 2014, 541, 31-40.	2.2	94
339	Temperature insensitive single-mode-multimode-single-mode fiber optic structures with two multimode fibers in series. Optics Letters, 2014, 39, 3340.	3.3	15
340	Optimization methods applied for Wind-PSP operation and scheduling under deregulated market: A review. Renewable and Sustainable Energy Reviews, 2014, 30, 682-700.	16.4	30
341	Formation and Role of Palladium Chalcogenide and Other Species in Suzuki-Miyaura and Heck C-C Coupling Reactions Catalyzed with Palladium(II) Complexes of Organochalcogen Ligands: Realities and Speculations. Organometallics, 2014, 33, 2921-2943.	2.3	110
342	Exopolysaccharide-Producing Probiotic Lactobacilli Reduce Serum Cholesterol and Modify Enteric Microbiota in ApoE-Deficient Mice. Journal of Nutrition, 2014, 144, 1956-1962.	2.9	80

#	ARTICLE	IF	CITATIONS
343	Genotypic to Expression Profiling of Bovine Calcium Channel, Voltage-Dependent, Alpha-2/Delta Subunit 1 Gene, and Their Association with Bovine Mastitis Among Frieswal (HFx Sahiwal) Crossbred Cattle of Indian Origin. <i>Animal Biotechnology</i> , 2014, 25, 128-138.	1.5	13
344	Planning and implementation strategy of Demand Side Management in India. , 2014, , .		10
345	Palladium(σ -allyl) complexes bearing the 1,2,3-triazole based organosulfur/ selenium ligand: synthesis, structure and applications in Heck and Suzuki-Miyaura coupling as a catalyst via palladium nanoparticles. <i>RSC Advances</i> , 2014, 4, 56102-56111.	3.6	50
346	Single channel tunable wavelength demultiplexer using nonlinear one dimensional defect mode photonic crystal. <i>Optik</i> , 2014, 125, 4895-4897.	2.9	9
347	A rat toxicogenomics study with the calcium sensitizer EMD82571 reveals a pleiotropic cause of teratogenicity. <i>Reproductive Toxicology</i> , 2014, 47, 89-101.	2.9	1
348	Degradation analysis of a-Si, (HIT) hetero-junction intrinsic thin layer silicon and m-C-Si solar photovoltaic technologies under outdoor conditions. <i>Energy</i> , 2014, 72, 536-546.	8.8	81
349	Catalyst Activation with Cp* Rh^{III} 1,2,3-Triazole-Based Organochalcogen Ligand Complexes: Transfer Hydrogenation via Loss of Cp* and N-Methylmorpholine N-Oxide Based vs Oppenauer-Type Oxidation. <i>Organometallics</i> , 2014, 33, 2341-2351.	2.3	38
350	Intravascular cell delivery device for therapeutic VEGF-induced angiogenesis in chronic vascular occlusion. <i>Biomaterials</i> , 2014, 35, 9012-9022.	11.4	11
351	A peptide fragment from the human COX3 protein disrupts association of Mycobacterium tuberculosis virulence proteins ESAT-6 and CFP10, inhibits mycobacterial growth and mounts protective immune response. <i>BMC Infectious Diseases</i> , 2014, 14, 355.	2.9	16
352	A comparison of temperature sensing characteristics of SMS structures using step and graded index multimode fibers. <i>Optics Communications</i> , 2014, 312, 222-226.	2.1	35
353	Nonlinear transmission and reflection characteristics of plasma/polystyrene one dimensional photonic crystal. <i>Optik</i> , 2014, 125, 393-396.	2.9	7
354	Human Exposures of Engineered Nanoparticles from Plants Irrigated with Contaminated Water: Mixture Toxicity Issues and Challenges Ahead. <i>Advanced Science Letters</i> , 2014, 20, 1204-1207.	0.2	7
355	Multicentre cluster randomised trial comparing a community group exercise programme and home-based exercise with usual care for people aged 65 years and over in primary care. <i>Health Technology Assessment</i> , 2014, 18, 1-106.	2.8	128
356	Open review system: The new trend in scientific reviewing to improve transparency and overcome biasness. <i>Journal of Natural Science, Biology and Medicine</i> , 2014, 5, 231.	1.0	4
357	The biomechanics of Kansal Separator: A A^2 in 1A^2 self-secured orthodontic spring separator. <i>Journal of Orthodontic Science</i> , 2014, 3, 12.	0.8	3
358	Multimode Interference Based Planar Optical Waveguide Biosensor. , 2014, , .		0
359	Inheritance of siliqua bearing pattern in Indian mustard [<i>Brassica juncea</i> (L.) Czern & Coss.]. <i>Indian Journal of Genetics and Plant Breeding</i> , 2014, 74, 511.	0.5	0
360	Whole exome sequencing identifies a novel splice-site mutation in ADAMTS17 in an Indian family with Weill-Marchesani syndrome. <i>Molecular Vision</i> , 2014, 20, 790-6.	1.1	26

#	ARTICLE	IF	CITATIONS
361	The effect of temperature and angle of incidence on photonic band gap in a dispersive Si-based one dimensional photonic crystal. <i>Physica B: Condensed Matter</i> , 2013, 416, 106-109.	2.7	32
362	Role of Pilus Proteins in Adherence and Invasion of <i>Streptococcus agalactiae</i> to the Lung and Cervical Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 4023-4034.	3.4	42
363	Design of a wavelength division demultiplexer using Si-based one-dimensional photonic crystal with a defect. <i>Optik</i> , 2013, 124, 2527-2530.	2.9	20
364	Non-intrusive objective speech quality assessment using a combination of MFCC, PLP and LSF features. , 2013, , .		9
365	Palladium(ii)-(E,N,E) pincer ligand (E = S/Se/Te) complex catalyzed Suzuki coupling reactions in water via in situ generated palladium quantum dots. <i>Dalton Transactions</i> , 2013, 42, 16939.	3.3	59
366	Trapping of Light in Nonlinear 1-D Photonic Crystal. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 279-282.	2.5	11
367	Oncogenic MicroRNA-155 Down-regulates Tumor Suppressor CDC73 and Promotes Oral Squamous Cell Carcinoma Cell Proliferation. <i>Journal of Biological Chemistry</i> , 2013, 288, 608-618.	3.4	100
368	Design of a thermally tunable filter using Si-based one-dimensional photonic crystal. <i>Optik</i> , 2013, 124, 2504-2506.	2.9	13
369	Non-intrusive speech quality assessment using several combinations of auditory features. <i>International Journal of Speech Technology</i> , 2013, 16, 89-101.	2.2	27
370	Multidetector Computed Tomography Accurately Defines Infarct Size, But Not Microvascular Obstruction After Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2013, 61, 208-210.	2.8	5
371	Performance assessment of different solar photovoltaic technologies under similar outdoor conditions. <i>Energy</i> , 2013, 58, 511-518.	8.8	134
372	Organosulphur and related ligands in Suzukiâ€Miyaura Câ€C coupling. <i>Dalton Transactions</i> , 2013, 42, 5200.	3.3	89
373	Crystal structure of a eukaryotic phosphate transporter. <i>Nature</i> , 2013, 496, 533-536.	27.8	202
374	Palladacycles of Thioethers Catalyzing Suzukiâ€Miyaura Câ€C Coupling: Generation and Catalytic Activity of Nanoparticles. <i>Organometallics</i> , 2013, 32, 2452-2458.	2.3	84
375	Half-Sandwich Ruthenium(II) Complexes of Click Generated 1,2,3-Triazole Based Organosulfur/-selenium Ligands: Structural and Donor Site Dependent Catalytic Oxidation and Transfer Hydrogenation Aspects. <i>Organometallics</i> , 2013, 32, 3595-3603.	2.3	76
376	Marine vessel classification based on passive sonar data: the cepstrumâ€based approach. <i>IET Radar, Sonar and Navigation</i> , 2013, 7, 87-93.	1.8	54
377	Development of Failure Scenarios for Biosolids Land Application Risk Assessment. <i>Water Environment Research</i> , 2013, 85, 141-150.	2.7	5
378	Clinical phenotype and the lack of mutations in the CHRNG, CHRND, and CHRNA1 genes in two Indian families with Escobar syndrome. <i>Clinical Dysmorphology</i> , 2013, 22, 54-58.	0.3	4

#	ARTICLE	IF	CITATIONS
379	Adsorption Studies of Cationic, Anionic and Azo-Dyes via Monodispersed Fe ₃ O ₄ Nanoparticles. Journal of Nanoscience and Nanotechnology, 2013, 13, 3240-3245.	0.9	42
380	Differential Endothelial Coverage, Response to Injury and Neointimal Integration of CX3CR1/Smooth Muscle-Like Cells after Carotid or Femoral Arterial Injury. Journal of Vascular Research, 2013, 50, 200-209.	1.4	3
381	Rise in polluters of scientific research: How to curtail information pollution (infollution). Journal of Natural Science, Biology and Medicine, 2013, 4, 271.	1.0	3
382	Potent endothelial progenitor cell-conditioned media-related anti-apoptotic, cardioprotic, and pro-angiogenic effects post-myocardial infarction are mediated by insulin-like growth factor-1. European Heart Journal, 2013, 34, 782-789.	2.2	61
383	Mechanically strained tuning of the electronic and dielectric properties of monolayer honeycomb structure of tungsten disulphide(Ws2). , 2013, , .		1
384	Assessment of safety, accuracy, and human CD34+ cell retention after intramyocardial injections with a helical needle catheter in a porcine model. Catheterization and Cardiovascular Interventions, 2013, 81, 970-977.	1.7	12
385	Primary Microcephaly Gene MCPH1 Shows Signatures of Tumor Suppressors and Is Regulated by miR-27a in Oral Squamous Cell Carcinoma. PLoS ONE, 2013, 8, e54643.	2.5	39
386	Electronic and optical properties of free standing Au nanowires using density functional theory. , 2013, , .		2
387	Effect of Temperature on Photonic Band Gaps in Semiconductor-Based One-Dimensional Photonic Crystal. Advances in Optical Technologies, 2013, 2013, 1-8.	0.8	7
388	Role of CX3CR1 Receptor in Monocyte/Macrophage Driven Neovascularization. PLoS ONE, 2013, 8, e57230.	2.5	34
389	An Architecture for High Data Rate Very Low Frequency Communication. Defence Science Journal, 2013, 63, 25-33.	0.8	5
390	Digitization of DNA: Miniaturization of information storage moving toward data in DNA!. Journal of Natural Science, Biology and Medicine, 2013, 4, 1.	1.0	4
391	Wide Range Temperature Sensors Based on One-Dimensional Photonic Crystal with a Single Defect. International Journal of Microwave Science and Technology, 2012, 2012, 1-5.	0.6	27
392	Temperature-insensitive fiber-optic devices using multimode interference effect. Optics Letters, 2012, 37, 4570.	3.3	22
393	Determination of Critical Rainfall Events for Quantitative Microbial Risk Assessment of Land-Applied Soil Amendments. Journal of Hydrologic Engineering - ASCE, 2012, 17, 437-444.	1.9	5
394	Organochalcogen ligands and their palladium(ii) complexes: Synthesis to catalytic activity for Heck coupling. RSC Advances, 2012, 2, 12552.	3.6	84
395	Palladium(ii)-selenated Schiff base complex catalyzed Suzuki-Miyaura coupling: Dependence of efficiency on alkyl chain length of ligand. Dalton Transactions, 2012, 41, 1931-1937.	3.3	93
396	Automation and remote control of volumetric calibrator using RS-485/MODBUS protocol. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
397	Drug-Induced Discoloration of Teeth. <i>Clinical Pediatrics</i> , 2012, 51, 181-185.	0.8	29
398	Palladium(II) selenoether complexes as new single source precursors: First synthesis of Pd ₄ Se and Pd ₇ Se ₄ nanoparticles. <i>Dalton Transactions</i> , 2012, 41, 1142-1145.	3.3	47
399	Making a Case for Human Health Risk-based Ranking Nanoparticles in Water for Monitoring Purposes. <i>Environmental Science & Technology</i> , 2012, 46, 5267-5268.	10.0	17
400	Nanoparticles in the Indian Environment: Known, Unknowns and Awareness. <i>Environmental Science & Technology</i> , 2012, 46, 7071-7072.	10.0	28
401	Analysis of attitudes toward the source of progenitor cells in tissue-engineered products for use in burns compared with other disease states. <i>Wound Repair and Regeneration</i> , 2012, 20, 311-316.	3.0	16
402	Ab initio study of structural, electronic and dielectric properties of free standing ultrathin nanowires of noble metals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 46, 259-269.	2.7	27
403	Organoselenium ligands in catalysis. <i>Dalton Transactions</i> , 2012, 41, 11949.	3.3	118
404	Temporal Trends of Malondialdehyde in Stored Human Plasma. <i>Indian Journal of Clinical Biochemistry</i> , 2012, 27, 405-409.	1.9	8
405	Didocosyl selenide stabilized recyclable Pd(0) nanoparticles and coordinated palladium(II) as efficient catalysts for Suzuki-Miyaura coupling. <i>Dalton Transactions</i> , 2012, 41, 4306.	3.3	43
406	Synergetic effects of doxycycline-loaded chitosan nanoparticles for improving drug delivery and efficacy. <i>International Journal of Nanomedicine</i> , 2012, 7, 2411.	6.7	31
407	TUNABLE WAVELENGTH DEMULTIPLEXER FOR DWDM APPLICATION USING 1-D PHOTONIC CRYSTAL. <i>Progress in Electromagnetics Research Letters</i> , 2012, 33, 27-35.	0.7	28
408	THERMAL EXPANSION OF PHOTONIC BAND GAP FOR ONE DIMENSIONAL PHOTONIC CRYSTAL. <i>Progress in Electromagnetics Research Letters</i> , 2012, 32, 81-90.	0.7	19
409	Engineering a thermo-stable superoxide dismutase functional at sub-zero to >50°C, which also tolerates autoclaving. <i>Scientific Reports</i> , 2012, 2, 387.	3.3	79
410	Effect of Detection Methods on Risk Estimates of Exposure to Biosolids-Associated Human Enteric Viruses. <i>Risk Analysis</i> , 2012, 32, 916-929.	2.7	6
411	Palladium(II) complexes of N-(2-(aryltelluro)ethyl)morpholine/piperidine: Synthesis, structure, application in Heck coupling and unprecedented conversion into nano-sized PdTe. <i>Inorganic Chemistry Communication</i> , 2012, 15, 163-166.	3.9	22
412	Effectively communicating the 5R's (replace, reduce, refine, reuse, and rehabilitate) of research ethics, biomedical waste, personalized medicines and the rest. <i>Journal of Natural Science, Biology and Medicine</i> , 2012, 3, 1.	1.0	6
413	Multimode Interference Based Temperature Insensitive Strain Sensor Using Two Multimode Fibers in Series. , 2012, , .		0
414	The power of thought and potential of globalization of scientific research to overcome political and economic limitations. <i>Journal of Natural Science, Biology and Medicine</i> , 2012, 3, 111.	1.0	1

#	ARTICLE	IF	CITATIONS
415	Thermodynamics of water entry in hydrophobic channels of carbon nanotubes. Journal of Chemical Physics, 2011, 134, 124105.	3.0	84
416	Deficiency of CX3CR1 delays burn wound healing and is associated with reduced myeloid cell recruitment and decreased sub-dermal angiogenesis. Burns, 2011, 37, 1386-1393.	1.9	39
417	Traumatic strictures of the posterior urethra in boys with special reference to recurrent strictures. Journal of Pediatric Urology, 2011, 7, 356-362.	1.1	9
418	Biopolymers in nanopores: challenges and opportunities. Soft Matter, 2011, 7, 5898.	2.7	39
419	Converging Evidence of Mitochondrial Dysfunction in a Yeast Model of Homocysteine Metabolism Imbalance. Journal of Biological Chemistry, 2011, 286, 21779-21795.	3.4	18
420	Pleiotropic role for monocyte C-fms protein in response to vascular injury: Potential therapeutic target. Atherosclerosis, 2011, 216, 74-82.	0.8	7
421	Synthesis of an Optimal Wavelet Based on Auditory Perception Criterion. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	3
422	Initial Observations of Cell-Mediated Drug Delivery to the Deep Lung. Cell Transplantation, 2011, 20, 609-618.	2.5	24
423	Thrombosis, physical activity, and acute coronary syndromes. Journal of Applied Physiology, 2011, 111, 599-605.	2.5	32
424	Improved protocol for processing stented porcine coronary arteries for immunostaining. Journal of Molecular Histology, 2011, 42, 187-193.	2.2	3
425	An RNA isolation system for plant tissues rich in secondary metabolites. BMC Research Notes, 2011, 4, 85.	1.4	214
426	Angelman Syndrome Protein UBE3A Interacts with Primary Microcephaly Protein ASPM, Localizes to Centrosomes and Regulates Chromosome Segregation. PLoS ONE, 2011, 6, e20397.	2.5	22
427	Modeling of Influenza-Specific CD8+ T Cells during the Primary Response Indicates that the Spleen Is a Major Source of Effectors. Journal of Immunology, 2011, 187, 4474-4482.	0.8	41
428	Homeostatic Interactions at the Front of Migration Control the Integrity and the Efficiency of a Migratory Glial Chain. Journal of Neuroscience, 2011, 31, 13722-13727.	3.6	9
429	<i>Piriformospora indica</i> enhances plant growth by transferring phosphate. Plant Signaling and Behavior, 2011, 6, 723-725.	2.4	72
430	Potent Long-Term Cardioprotective Effects of Single Low-Dose Insulin-Like Growth Factor-1 Treatment Postmyocardial Infarction. Circulation: Cardiovascular Interventions, 2011, 4, 327-335.	3.9	38
431	Expression Profiling of CYP1B1 in Oral Squamous Cell Carcinoma: Counterintuitive Downregulation in Tumors. PLoS ONE, 2011, 6, e27914.	2.5	15
432	Intellectual property: Business of brains!. Journal of Natural Science, Biology and Medicine, 2011, 2, 1.	1.0	4

#	ARTICLE	IF	CITATIONS
433	Phytochemical investigation and evaluation of antinociceptive activity of ethanolic extract of Dalbergia sissoo (Roxb.) bark. Journal of Natural Science, Biology and Medicine, 2011, 2, 76.	1.0	18
434	Milestones, global presence, and scientific progress. Journal of Natural Science, Biology and Medicine, 2011, 2, 137.	1.0	6
435	In vitro antioxidant activity of Rubus ellipticus fruits. Journal of Advanced Pharmaceutical Technology and Research, 2011, 2, 47.	1.0	31
436	Radiated signal characteristics of marine vessels in the cepstral domain for shallow underwater channel. Journal of the Acoustical Society of America, 2010, 128, EL151-EL156.	1.1	8
437	A homozygous mutation in LTBP2 causes isolated microspherophakia. Human Genetics, 2010, 128, 365-371.	3.8	64
438	Gene Expression Profiling of Oral Squamous Cell Carcinoma by Differential Display RT-PCR and Identification of Tumor Biomarkers. Indian Journal of Surgical Oncology, 2010, 1, 284-293.	0.7	13
439	Pharmaceuticals, personal care products and endocrine-disrupting chemicals in U.S. surface and finished drinking waters: A proposed ranking system. Science of the Total Environment, 2010, 408, 5972-5989.	8.0	224
440	Effect of apocynin on NADPH oxidase-mediated oxidative stress-LOX-1-eNOS pathway in human endothelial cells exposed to high glucose. European Journal of Pharmacology, 2010, 627, 42-48.	3.5	72
441	Human health risk assessment of pharmaceuticals in water: An uncertainty analysis for meprobamate, carbamazepine, and phenytoin. Regulatory Toxicology and Pharmacology, 2010, 57, 146-156.	2.7	84
442	Arsenic exposure in US public and domestic drinking water supplies: A comparative risk assessment. Journal of Exposure Science and Environmental Epidemiology, 2010, 20, 245-254.	3.9	45
443	Human Health Risk Assessment of Pharmaceuticals in Water: Issues and Challenges Ahead. International Journal of Environmental Research and Public Health, 2010, 7, 3929-3953.	2.6	65
444	Bone marrow-derived CX ₃ CR1 progenitors contribute to neointimal smooth muscle cells via fractalkine CX ₃ CR1 interaction. FASEB Journal, 2010, 24, 81-92.	0.5	48
445	A Specific Subset of Mouse Bone Marrow Cells Has Smooth Muscle Cell Differentiation Capacity—Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 533-535.	2.4	17
446	A Phosphate Transporter from the Root Endophytic Fungus Piriformospora indica Plays a Role in Phosphate Transport to the Host Plant. Journal of Biological Chemistry, 2010, 285, 26532-26544.	3.4	269
447	Two-scale Auditory Feature Based Non-intrusive Speech Quality Evaluation. IETE Journal of Research, 2010, 56, 111.	2.6	8
448	Oxidative Stress and Endothelial Dysfunction in Aortas of Aged Spontaneously Hypertensive Rats by NOX1/2 Is Reversed by NADPH Oxidase Inhibition. Hypertension, 2010, 56, 490-497.	2.7	151
449	Clinical Potential of Adult Vascular Progenitor Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1080-1087.	2.4	94
450	Determination of Critical Rainfall Events for Quantitative Microbial Risk Assessment of Biosolids-Associated Pathogens. Proceedings of the Water Environment Federation, 2010, 2010, 797-812.	0.0	1

#	ARTICLE	IF	CITATIONS
451	Critical Wavelength in the Transmission Spectrum of SMS Fiber Structure Employing GeO ₂ -Doped Multimode Fiber. IEEE Photonics Technology Letters, 2010, 22, 799-801.	2.5	30
452	Expression and Serological Characterization of Polyomavirus WUPyV and KIPyV Structural Proteins. Viral Immunology, 2010, 23, 385-393.	1.3	12
453	Comparative study of directional couplers utilizing long-range surface plasmon polaritons. Applied Optics, 2010, 49, 2397.	2.1	5
454	Palladacycle containing nitrogen and selenium: highly active pre-catalyst for the Suzuki-Miyaura coupling reaction and unprecedented conversion into nano-sized Pd ₁₇ Se ₁₅ . Chemical Communications, 2010, 46, 5954.	4.1	134
455	Single-Multi-Single Mode Structure Based Band Pass/Stop Fiber Optic Filter With Tunable Bandwidth. Journal of Lightwave Technology, 2010, , .	4.6	6
456	Launch of journal of natural science, biology and medicine for the global scientific audience. Journal of Natural Science, Biology and Medicine, 2010, 1, 1.	1.0	1
457	Propagation characteristics of channel plasmon polaritons supported by a dielectric filled trench in a real metal. Journal of Applied Physics, 2009, 106, 043104.	2.5	14
458	Palladium(II), platinum(II), ruthenium(II) and mercury(II) complexes of potentially tridentate Schiff base ligands of (E, N, O) type (E=S, Se, Te): Synthesis, crystal structures and applications in Heck and Suzuki coupling reactions. Inorganica Chimica Acta, 2009, 362, 3208-3218.	2.4	96
459	Mutations in STIL, Encoding a Pericentriolar and Centrosomal Protein, Cause Primary Microcephaly. American Journal of Human Genetics, 2009, 84, 286-290.	6.2	211
460	Lentiviral tracking of vascular differentiation in bone marrow progenitor cells. Differentiation, 2009, 78, 169-176.	1.9	23
461	Characterization of the human SLC22A18 gene promoter and its regulation by the transcription factor Sp1. Gene, 2009, 429, 37-43.	2.2	7
462	Bragg grating based biochemical sensor using submicron Si/SiO ₂ waveguides for lab-on-a-chip applications: a novel design. Applied Optics, 2009, 48, 4562.	2.1	20
463	Selenated Schiff bases of 2-hydroxyacetophenone and their palladium(II) and platinum(II) complexes: Syntheses, crystal structures and applications in the Heck reaction. Polyhedron, 2008, 27, 485-492.	2.2	58
464	Performance of the effective index method in the modeling of nanoscale rectangular apertures in a real metal. Optics Communications, 2008, 281, 4526-4529.	2.1	9
465	Schiff bases of 1-hydroxy-2-acetonaphthone containing chalcogen functionalities and their complexes with and (p-cymene)Ru(II), Pd(II), Pt(II) and Hg(II): Synthesis, structures and applications in C-C coupling reactions. Journal of Organometallic Chemistry, 2008, 693, 3533-3545.	1.8	84
466	Involvement of TSC genes and differential expression of other members of the mTOR signaling pathway in oral squamous cell carcinoma. BMC Cancer, 2008, 8, 163.	2.6	92
467	Modeling of a nanoscale rectangular hole in a real metal. Optics Letters, 2008, 33, 333.	3.3	23
468	Promoter characterization and regulation of expression of an imprinted gene SLC22A18AS. Gene, 2008, 424, 40-47.	2.2	12

#	ARTICLE	IF	CITATIONS
469	Structure of an Optimum Linear Precoder and its Application to ML Equalizer. IEEE Transactions on Signal Processing, 2008, 56, 3690-3701.	5.3	3
470	Progenitor Cell Therapy in a Porcine Acute Myocardial Infarction Model Induces Cardiac Hypertrophy, Mediated by Paracrine Secretion of Cardioprotective Factors Including TGF β 1. Stem Cells and Development, 2008, 17, 941-952.	2.1	66
471	Iron oxide-coated fibrous sorbents for arsenic removal. Journal - American Water Works Association, 2008, 100, 151.	0.3	24
472	Identification of genes associated with tumorigenesis of retinoblastoma by microarray analysis. Genomics, 2007, 90, 344-353.	2.9	100
473	Identification of genes associated with tumorigenesis of meibomian cell carcinoma by microarray analysis. Genomics, 2007, 90, 559-566.	2.9	30
474	Design of an Optimal Two-Channel Orthogonal Filterbank Using Semidefinite Programming. IEEE Signal Processing Letters, 2007, 14, 692-694.	3.6	15
475	Design of Optimal Wavelet Packet Trees Based on Auditory Perception Criterion. IEEE Signal Processing Letters, 2007, 14, 240-243.	3.6	29
476	Preventive and curative effect of edaravone on nerve functions and oxidative stress in experimental diabetic neuropathy. European Journal of Pharmacology, 2007, 568, 164-172.	3.5	57
477	Genetic analysis of two Indian families affected with congenital hereditary endothelial dystrophy: two novel mutations in SLC4A11. Molecular Vision, 2007, 13, 39-46.	1.1	35
478	Role of CYP1B1, MYOC, OPTN, and OPTC genes in adult-onset primary open-angle glaucoma: predominance of CYP1B1 mutations in Indian patients. Molecular Vision, 2007, 13, 667-76.	1.1	60
479	Enhancement in mineralization of some natural refractory organic compounds by ozonation-aerobic biodegradation. Journal of Chemical Technology and Biotechnology, 2006, 81, 115-127.	3.2	6
480	Treatment of Distillery Spent-Wash by Ozonation and Biodegradation: Significance of pH Reduction and Inorganic Carbon Removal Before Ozonation. Water Environment Research, 2006, 78, 994-1004.	2.7	10
481	Occult neurovesical dysfunction with anorectal malformations. Indian Journal of Pediatrics, 2006, 73, 999-1003.	0.8	1
482	Respiratory distress in neonates. Indian Journal of Pediatrics, 2005, 72, 425-428.	0.8	28
483	AT receptors and L-type calcium channels: functional coupling in supersensitivity to angiotensin II in diabetic rats. Cardiovascular Research, 2005, 65, 374-386.	3.8	49
484	Effects of adenosine and adenosine A2A receptor agonist on motor nerve conduction velocity and nerve blood flow in experimental diabetic neuropathy. Neurological Research, 2005, 27, 60-66.	1.3	28
485	Structural Analysis of Isoform-Specific Inhibitors Targeting the Tetrahydrobiopterin Binding Site of Human Nitric Oxide Synthases. Journal of Medicinal Chemistry, 2005, 48, 4783-4792.	6.4	31
486	Mineralization of some natural refractory organic compounds by biodegradation and ozonation. Water Research, 2005, 39, 1921-1933.	11.3	53

#	ARTICLE	IF	CITATIONS
487	Saga of Renin-Angiotensin System and Calcium Channels in Hypertensive Diabetics: Does it Have a Therapeutic Edge?. Cardiovascular Drug Reviews, 2005, 23, 99-114.	4.1	7
488	Mutation analysis of the KIF21A gene in an Indian family with CFEOM1: implication of CpG methylation for most frequent mutations. Ophthalmic Genetics, 2004, 25, 247-255.	1.2	19
489	Reduced cGMP signaling associated with neointimal proliferation and vascular dysfunction in late-stage atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16671-16676.	7.1	92
490	Synthesis and evaluation of S -4-(3-thienyl)phenyl- β -methylacetic acid. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 979-982.	2.2	9
491	Paternal imprinting of the SLC22A1LS gene located in the human chromosome segment 11p15.5. BMC Genetics, 2004, 5, 13.	2.7	6
492	SMS fiber optic microbend sensor structures: effect of the modal interference. Optics Communications, 2004, 232, 239-244.	2.1	30
493	Acute hyperglycemia attenuates nerve conduction velocity and nerve blood flow in male Sprague-Dawley rats: reversal by adenosine 1. Pharmacological Research, 2004, 50, 593-599.	7.1	25
494	High glucose concentration augments angiotensin II mediated contraction via AT1 receptors in rat thoracic aorta. Pharmacological Research, 2004, 50, 561-568.	7.1	27
495	Tempol augments angiotensin II-induced AT2 receptor-mediated relaxation in diabetic rat thoracic aorta. Journal of Hypertension, 2004, 22, 2143-2152.	0.5	24
496	Confirmation of linkage and refinement of the RP28 locus for autosomal recessive retinitis pigmentosa on chromosome 2p14-p15 in an Indian family. Molecular Vision, 2004, 10, 399-402.	1.1	16
497	Genetic analysis of a five generation Indian family with BPES: a novel missense mutation (p.Y215C). Molecular Vision, 2004, 10, 445-9.	1.1	14
498	Low anorectal malformation associated with sarococcygeal teratoma. Tropical Gastroenterology: Official Journal of the Digestive Diseases Foundation, 2004, 25, 101-2.	0.0	1
499	Genetic analysis of a four generation Indian family with Usher syndrome: a novel insertion mutation in MYO7A. Molecular Vision, 2004, 10, 910-6.	1.1	4
500	Course of river Ganga over a century near Kanpur city based on remote sensing data. Journal of the Indian Society of Remote Sensing, 2003, 31, 1-2.	2.4	7
501	Transmission characteristics of SMS fiber optic sensor structures. Optics Communications, 2003, 219, 215-219.	2.1	114
502	Identification of a core promoter and a novel isoform of the human TSC1 gene transcript and structural comparison with mouse homolog. Gene, 2003, 320, 145-154.	2.2	10
503	Occurrence of multiple myeloma in both donor and recipient after bone marrow transplantation. American Journal of Hematology, 2002, 71, 227-228.	4.1	5
504	Primary microcephaly:microcephalin andASPM determine the size of the human brain. Journal of Biosciences, 2002, 27, 629-632.	1.1	24

#	ARTICLE	IF	CITATIONS
505	Tuberous sclerosis complex: ADrosophila connection. Journal of Biosciences, 2001, 26, 285-287.	1.1	0
506	Retinitis pigmentosa: mutations in a receptor tyrosine kinase gene, MERTK. Journal of Biosciences, 2001, 26, 3-5.	1.1	2
507	Alzheimer's disease: amyloid β -peptide antibody vaccine as plaque remover. Journal of Biosciences, 2000, 25, 315-316.	1.1	1
508	Rett and ICF syndromes: methylation moves into medicine. Journal of Biosciences, 2000, 25, 213-214.	1.1	3
509	Genomic imprinting: mom and dad (epi)genetics. Journal of Biosciences, 1999, 24, 4-6.	1.1	4
510	Molecular characterization and delineation of subtle deletions in de novo "balanced" chromosomal rearrangements. Human Genetics, 1998, 103, 173-178.	3.8	49
511	Molecular characterization and delineation of subtle deletions in de novo "balanced" chromosomal rearrangements. Human Genetics, 1998, 103, 173.	3.8	40
512	Hydrocephalus in asphyxiating thoracic dystrophy. American Journal of Medical Genetics Part A, 1988, 29, 391-395.	2.4	10
513	Analysis of rectangular-core dielectric waveguides: an accurate perturbation approach. Optics Letters, 1983, 8, 63.	3.3	209
514	Optimal scheduling of variable speed pumped storage, solar and wind energy system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-16.	2.3	7
515	Tellurium-Ligated Pd(II) Complex of Bulky Organotellurium Ligand as a Catalyst of Suzuki coupling: First Report on In Situ Generation of Bimetallic Alloy "Telluropalladinite" (Pd ₉ Te ₄) Nanoparticles and Role in Highly Efficient Catalysis. Catalysis Letters, 0, , 1.	2.6	7
516	HUMAN RISK ASSESSMENT: TOXICITY ISSUES AND CHALLENGES ASSOCIATED WITH MIXTURE OF CHEMICALS RELEASED DURING PLASTIC REUSE AND RECYCLING. , 0, , .		2
517	Lesinurad, a Novel Uricosuric Drug for Allopurinol-Refractory Gout Patients. Journal of Clinical and Diagnostic Research JCDR, 0, , .	0.8	2
518	The Persistence of Indicators and Pathogens in Wastewater Biosolids-amended Soil. , 0, , .		2