

Arun H S Kumar

List of Publications by Year in Descending Order

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Version: 2024-04-11

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

496 papers	11,776 citations	56 h-index	85 g-index
535 ext. papers	14,064 ext. citations	4.6 avg, IF	7.15 L-index

#	Paper	IF	Citations
496	Effect of copper-based nanoagrochemicals on plants and soil: A critical review 2022 , 615-637		
495	Technological advancement in measurements of suspended sediment and hydraulic turbine erosion. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 190, 110700	4.6	0
494	Toxicity of nanoparticles to algae-bacterial co-culture: Knowns and unknowns. <i>Algal Research</i> , 2022 , 62, 102641	5	1
493	SuzukiMiyaura coupling and OBrylation 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	3.4	2
492	Complexes of metals with organotellurium compounds and nanosized metal tellurides for catalysis, electrocatalysis and photocatalysis. <i>Coordination Chemistry Reviews</i> , 2022 , 459, 214406	23.2	5
491	Coinage metal chalcogenides via single-source precursors 2022 , 531-562		
490	A state-of-art review on end-of-life solar photovoltaics. <i>Journal of Cleaner Production</i> , 2022 , 343, 130978	10.3	1
489	Emerging role and function of miR-198 in human health and diseases.. <i>Pathology Research and Practice</i> , 2021 , 229, 153741	3.4	
488	Direction of Arrival Estimation for Speech Source Using Closely Spaced Microphones. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 243-250	0.4	
487	The pruritus severity scale-a novel tool to assess itch in burns patients. <i>International Journal of Burns and Trauma</i> , 2021 , 11, 156-162	0.4	
486	Estimation of health risks due to copper-based nanoagrochemicals. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
485	Environmental and human health risk assessment of mixture of Covid-19 treating pharmaceutical drugs in environmental waters.. <i>Science of the Total Environment</i> , 2021 , 152485	10.2	0
484	Morphology and tensile performance of MWCNT/TiO2-epoxy nanocomposite. <i>Materials Chemistry and Physics</i> , 2021 , 277, 125336	4.4	3
483	Palladium complex of sulphated schiff base with ortho-vanillin as catalyst for O-arylation of phenol. <i>Materials Today: Proceedings</i> , 2021 , 48, 1553-1553	1.4	3
482	Assessment of State-Space Building Energy System Models in Terms of Stability and Controllability. <i>Sustainability</i> , 2021 , 13, 11938	3.6	0
481	Development of a Building Energy Model Based on State-Space Analysis and Determining the Performance Characteristics. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 199-204	0.4	
480	Impact of bariatric surgery on carotid intima-medial thickness and cardiovascular risk: results of a prospective study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021 , 35, 6006-6012	5.2	7

479	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	8.6	6
478	Exome sequencing and functional studies in zebrafish identify WDR8 as the causative gene for isolated Microspherophakia in Indian families. <i>Human Molecular Genetics</i> , 2021 , 30, 467-484	5.6	
477	Oncogenic role of MiR-130a in oral squamous cell carcinoma. <i>Scientific Reports</i> , 2021 , 11, 7787	4.9	0
476	The presence of Wormian bones increases the fracture resistance of equine cranial bone. <i>PLoS ONE</i> , 2021 , 16, e0249451	3.7	0
475	Day-ahead and intra-day wind power forecasting based on feedback error correction. <i>IET Renewable Power Generation</i> , 2021 , 15, 2840-2848	2.9	1
474	Evaluation of bentonite clay in modified and unmodified forms to remove fluoride from water. <i>Water Science and Technology</i> , 2021 , 84, 2661-2674	2.2	2
473	Analysis and visualization of progressive erosion in Pelton buckets. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 774, 012105	0.3	
472	Adhesive and viscoelastic response of MWCNT/ZrO ₂ hybrid epoxy nanocomposites. <i>Journal of Mechanics of Materials and Structures</i> , 2021 , 16, 281-292	1.2	2
471	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	10.2	10
470	Setting guidelines for co-occurring nanoparticles in water medium. <i>Science of the Total Environment</i> , 2021 , 776, 145175	10.2	2
469	Performance evaluation of conservation plan for freshwater lakes in India through a scoring methodology. <i>Environment, Development and Sustainability</i> , 2021 , 23, 3787-3810	4.5	5
468	microRNAs: New-Age Panacea in Cancer Therapeutics. <i>Indian Journal of Surgical Oncology</i> , 2021 , 12, 52-56.7	5.6	1
467	Reactive oxygen species production and inflammatory effects of ambient PM -associated metals on human lung epithelial A549 cells "one year-long study": The Delhi chapter. <i>Chemosphere</i> , 2021 , 262, 128305	8.4	5
466	Insights on the biological role of ultrafine particles of size PM: A prospective study from New Delhi. <i>Environmental Pollution</i> , 2021 , 268, 115638	9.3	2
465	Antibiotic resistance development and human health risks during wastewater reuse and biosolids application in agriculture. <i>Chemosphere</i> , 2021 , 265, 129032	8.4	18
464	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 Pd ₁₆ S ₇). <i>Catalysis Communications</i> , 2021 , 149, 106242	3.2	9
463	Enhanced Thermomechanical Properties of ZrO ₂ Particle Reinforced Epoxy Nanocomposite. <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 145-153	1.6	7
462	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	7.9	7

461	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	6.8	6
460	Small Hydro 2021 ,		1
459	Incidental Jejunal Lesion Necessitating Intraoperative Change of Plan During Bariatric Surgery: a Video Case Report. <i>Obesity Surgery</i> , 2021 , 31, 2344-2345	3.7	1
458	Discovery and Development of Stem Cells for Therapeutic Applications 2021 , 267-296		
457	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	8.4	8
456	Role of TSC1 in physiology and diseases. <i>Molecular and Cellular Biochemistry</i> , 2021 , 476, 2269-2282	4.2	4
455	. <i>IEEE Sensors Journal</i> , 2021 , 21, 4674-4681	4	3
454	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	5.1	8
453	Preformed molecular complexes of metals with organoselenium ligands: Syntheses and applications in catalysis. <i>Coordination Chemistry Reviews</i> , 2021 , 438, 213885	23.2	14
452	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	2.7	7
451	Theoretical evaluation of metal release potential of emerging third generation solar photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 227, 111120	6.4	4
450	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	5.1	7
449	Using QMRA to understand possible exposure risks of SARS-CoV-2 from the water environment. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
448	Estimating combined health risks of nanomaterials and antibiotics from natural water: a proposed framework. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	
447	Effect of seawater acidification and plasticizer (Bisphenol-A) on aggregation of nanoparticles. <i>Environmental Research</i> , 2021 , 201, 111498	7.9	1
446	Copper-based nanoparticles in the soil-plant environment: Assessing their applications, interactions, fate and toxicity. <i>Chemosphere</i> , 2021 , 281, 130940	8.4	5
445	Catalytically active nanosized PdTe (telluropalladinite) and PdTe (kotulskite) alloys: first precursor-architecture controlled synthesis using palladium complexes of organotellurium compounds as single source precursors.. <i>RSC Advances</i> , 2021 , 11, 7214-7224	3.7	12
444	Determining the Performance Characteristics of a White-Box Building Energy System Model and Evaluating the Energy Consumption. <i>Springer Proceedings in Energy</i> , 2021 , 605-615	0.2	

443	Organoselenium ligands for heterogeneous and nanocatalytic systems: development and applications. <i>Dalton Transactions</i> , 2021 , 50, 8628-8656	4.3	12
442	Mode transition induced enhanced temperature sensitivity in long period waveguide gratings near dispersion turning point. <i>Results in Optics</i> , 2021 , 5, 100195	1	
441	Irrigation of World Agricultural Lands: Evolution through the Millennia. <i>Water (Switzerland)</i> , 2020 , 12, 1285	3	19
440	Closure to Water QualityBased Environmental Flow under Plausible Temperature and Pollution ScenariosBy Shushobhit Chaudhary, C. T. Dhanya, Arun Kumar, and Rehana Shaik. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020 , 25, 07020005	1.8	
439	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	3.1	3
438	Tradeoff between risks through ingestion of nanoparticle contaminated water or fish: Human health perspective. <i>Science of the Total Environment</i> , 2020 , 740, 140140	10.2	12
437	Cation distribution, magnetic and hyperfine interaction studies of NiZn spinel ferrites: role of Jahn Teller ion (Cu ²⁺) substitution. <i>Materials Advances</i> , 2020 , 1, 880-890	3.3	30
436	Instantaneous Frequency Selective Filtering Using Ensemble Empirical Mode Decomposition. <i>IETE Journal of Research</i> , 2020 , 1-13	0.9	
435	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	4.7	17
434	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	10.2	7
433	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	3.3	4
432	Utility of Silane-Modified Magnesium-Based Magnetic Nanoparticles for Efficient Immobilization of Bacillus thermoamylovorans Lipase. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 192, 1029-1043	3.2	3
431	A novel dual resonance long period waveguide grating based highly sensitive refractive index sensor with reduced temperature sensitivity. <i>Optics Communications</i> , 2020 , 474, 126092	2	2
430	Interpretation and application of the hydro-abrasive erosion model from IEC 62364 (2013) for Pelton turbines. <i>Renewable Energy</i> , 2020 , 160, 396-408	8.1	2
429	SRSF3: Newly discovered functions and roles in human health and diseases. <i>European Journal of Cell Biology</i> , 2020 , 99, 151099	6.1	6
428	Magnetic, Mössbauer and Raman spectroscopy of nanocrystalline Dy ³⁺ -Cr ³⁺ substituted barium hexagonal ferrites. <i>Physica B: Condensed Matter</i> , 2020 , 585, 412115	2.8	8
427	Effect of Synthesis Method on Optical and Magnetic Properties of Fe ₂ O ₃ Nanoparticles. <i>Integrated Ferroelectrics</i> , 2020 , 204, 38-46	0.8	2
426	Design of a tunable DWDM multiplexer using four defect layers of GaAs nonlinear photonic crystals. <i>Optik</i> , 2020 , 212, 164652	2.5	5

425	Binary mixture of nanoparticles in sewage sludge: Impact on spinach growth. <i>Chemosphere</i> , 2020 , 254, 126794	8.4	13
424	Understanding Interactions of Nanomaterials with Soil: Issues and Challenges Ahead. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 117-141	0.8	1
423	Simulation Based Energy Control and Comfort Management in Buildings Using Multi-Objective Optimization Routine. <i>International Journal of Mathematical, Engineering and Management Sciences</i> , 2020 , 5, 1324-1332	1	3
422	Understanding the Effect of the Interaction of Nanoparticles with Roots on the Uptake in Plants. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 277-304	0.8	4
421	Identifying Issues in Assessing Environmental Implications of Solar PVs-Related Waste. <i>Lecture Notes in Civil Engineering</i> , 2020 , 71-90	0.3	3
420	Performance analysis of a 10 MWp utility scale grid-connected canal-top photovoltaic power plant under Indian climatic conditions. <i>Energy</i> , 2020 , 204, 117903	7.9	19
419	Quantification of metal uptake in <i>Spinacia oleracea</i> irrigated with water containing a mixture of CuO and ZnO nanoparticles. <i>Chemosphere</i> , 2020 , 243, 125239	8.4	17
418	Experimental characterization of the performance of different photovoltaic technologies on water bodies. <i>Progress in Photovoltaics: Research and Applications</i> , 2020 , 28, 25-48	6.8	12
417	Understanding effect of interaction of nanoparticles and antibiotics on bacteria survival under aquatic conditions: Knowns and unknowns. <i>Environmental Research</i> , 2020 , 181, 108945	7.9	9
416	Initial metal contents and leaching rate constants of metals leached from end-of-life solar photovoltaic waste: An integrative literature review and analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109592	16.2	22
415	microRNAs in oral cancer: Moving from bench to bed as next generation medicine. <i>Oral Oncology</i> , 2020 , 111, 104916	4.4	7
414	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	8.1	11
413	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	2.6	1
412	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	1.6	2
411	Organochalcogen ligands in catalysis of oxidation of alcohols and transfer hydrogenation. <i>Dalton Transactions</i> , 2020 , 49, 12503-12529	4.3	15
410	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	8.4	1
409	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	8.6	19
408	Ecological and human health risk assessment of metals leached from end-of-life solar photovoltaics. <i>Environmental Pollution</i> , 2020 , 267, 115393	9.3	18

407	Micro-hydropower in drinking water gravity pipelines: a case study in Uttarakhand, India. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 26, 332-342	1.5	6
406	Non-carcinogenic and Carcinogenic Risk Assessment of Trace Elements of PM2.5 During Winter and Pre-monsoon Seasons in Delhi: A Case Study. <i>Exposure and Health</i> , 2020 , 12, 63-77	8.8	6
405	Human health risk assessment of antibiotics in binary mixtures for finished drinking water. <i>Chemosphere</i> , 2020 , 240, 124864	8.4	23
404	Tannic acid functionalization of bamboo micron fibres: Its capability to toughen epoxy based biocomposites. <i>Materials Chemistry and Physics</i> , 2020 , 243, 122112	4.4	2
403	Erratum for Water QualityBased 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, 08220001	1.8	1
402	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	4
401	Inflation and Deflation of Rubber Dam 2019 , 67-98		1
400	Life Cycle Assessment of Rubber Dam 2019 , 99-122		
399	Understanding effect of solution chemistry on heteroaggregation of zinc oxide and copper oxide nanoparticles. <i>Chemosphere</i> , 2019 , 235, 457-469	8.4	23
398	Synthesis and characterization of Mg-Ag-Mn nano-ferrites for electromagnet applications. <i>Physica B: Condensed Matter</i> , 2019 , 569, 1-7	2.8	23
397	Genetic analysis of ATP7B in 102 south Indian families with Wilson disease. <i>PLoS ONE</i> , 2019 , 14, e0215779	3.7	4
396	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	8
395	Design and analysis of circular patch antenna for WBAN at terahertz frequency. <i>Optik</i> , 2019 , 185, 529-536	5.5	14
394	Water QualityBased Environmental Flow under Plausible Temperature and Pollution Scenarios. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019 , 24, 05019007	1.8	4
393	Experimental validation of performance and degradation study of canal-top photovoltaic system. <i>Applied Energy</i> , 2019 , 243, 102-118	10.7	24
392	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	3.7	20
391	UDM processed superior acrylic resin based ZrO2 nanoparticle reinforced composite for dental application. <i>Materials Research Express</i> , 2019 , 6, 105404	1.7	2
390	Analytical modelling and mechanism of hydro-abrasive erosion in pelton buckets. <i>Wear</i> , 2019 , 436-437, 203003	3.5	9

- 389 Association of dietary intake below recommendations and micronutrient deficiencies during pregnancy and low birthweight. *Journal of Perinatal Medicine*, **2019**, 47, 724-731 2.7 3
- 388 Bidentate organochalcogen ligands (N, E; E = S/Se) as stabilizers for recyclable palladium nanoparticles and their application in Suzuki-Miyaura coupling reactions. *Polyhedron*, **2019**, 171, 120-127 2.7 17
- 387 Behavior of UDM processed epoxy based TiO₂ nano filler composite adhesive joints under fatigue loading. *Materials Research Express*, **2019**, 6, 095303 1.7 1
- 386 Chalcogen (S/Se) Ligated Palladium(II) Complexes of Bulky Ligands: Application in O-Arylation of Phenol. *ChemistrySelect*, **2019**, 4, 10765-10769 1.8 13
- 385 Highly sensitive temperature sensor based on a long period grating inscribed metal clad ridge waveguide with PDMS surrounding. *OSA Continuum*, **2019**, 2, 946 1.4 5
- 384 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
- 383 Stability analysis of reduced order building energy models for optimal energy control **2019**, 1
- 382 Assessment of toxic interaction of nano zinc oxide and nano copper oxide on germination of *Raphanus sativus* seeds. *Environmental Monitoring and Assessment*, **2019**, 191, 703 3.1 13
- 381 Surface-Engineered MXenes: Electric Field Control of Magnetism and Enhanced Magnetic Anisotropy. *ACS Nano*, **2019**, 13, 2831-2839 16.7 75
- 380 Design and analysis of a terahertz antenna for wireless body area networks. *Optik*, **2019**, 179, 684-690 2.5 14
- 379 Water Conservation Technologies **2019**, 11-24 1
- 378 Superior thermomechanical and wetting properties of ultrasonic dual mode mixing assisted epoxy-CNT nanocomposites. *High Performance Polymers*, **2019**, 31, 32-42 1.6 7
- 377 Efficacious and Selective Oxidation of Atrazine with Hydrogen Peroxide Catalyzed by Magnetite Nanoparticles: Influence of Reaction Media. *ChemistrySelect*, **2018**, 3, 2135-2139 1.8 5
- 376 Influence of Stacking sequence and thickness on the free vibrational behaviour of Carbon/epoxy laminates. *Materials Today: Proceedings*, **2018**, 5, 7701-7707 1.4 2
- 375 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 7
- 374 MWCNTs toward superior strength of epoxy adhesive joint on mild steel adherent. *Composites Part B: Engineering*, **2018**, 143, 207-216 10 29
- 373 Electromagnetic radiation analysis of planar, segmented and circular array antenna in THz applications. *Optik*, **2018**, 158, 1394-1401 2.5 3
- 372 Genetic parameters for neonatal mortality in lambs at semi-arid region of Rajasthan India. *Livestock Science*, **2018**, 210, 85-92 1.7 8

371	Refractive index sensing using silicon-on-insulator waveguide based modal interferometer. <i>Optik</i> , 2018 , 156, 961-967	2.5	6
370	Removal of ZnO and CuO Nanoparticles from Water Using an Activated Carbon Column. <i>Journal of Environmental Engineering, ASCE</i> , 2018 , 144, 04017113	2	4
369	In Situ 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. <i>Chemistry of Materials</i> , 2018 , 30, 1815-1824	9.6	60
368	Applicability of and potential barriers preventing allogeneic stem cell transplant in sickle cell patients treated outside a sickle cell program. <i>American Journal of Hematology</i> , 2018 , 93, E150-E152	7.1	5
367	Preliminary evidence of nanoparticle occurrence in water from different regions of Delhi (India). <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 240	3.1	1
366	An anatomically accurate dielectric profile of the porcine kidney. <i>Biomedical Physics and Engineering Express</i> , 2018 , 4, 025042	1.5	3
365	Prediction of optimal structural water concentration for maximized performance in tunnel manganese oxide electrodes. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 9480-9487	3.6	4
364	Identifying Challenges in Assessing Risks of Exposures of Silver Nanoparticles. <i>Exposure and Health</i> , 2018 , 10, 61-75	8.8	10
363	Sequential calibration of a water quality model using reach-specific parameter estimates 2018 , 49, 1042-1055	8	
362	Viscoelastic and thermally stable PDMS/BiO ₂ filled epoxy adhesive joint on steel substrate. <i>Polymer Composites</i> , 2018 , 39, 2889-2896	3	5
361	Femtosecond Pulse Propagation through Au and Ag Nanowires. <i>Plasmonics</i> , 2018 , 13, 1027-1033	2.4	
360	Investigation of structural and dielectric properties of La _{0.1} Ni doped bismuth nano ferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 1107-1117	2.1	3
359	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	2.9	25
358	UDM enhanced physical and mechanical properties through the formation of nanocavities in an epoxy matrix. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 784-790	8.9	6
357	MWCNT/TiO hybrid nano filler toward high-performance epoxy composite. <i>Ultrasonics Sonochemistry</i> , 2018 , 41, 37-46	8.9	49
356	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	2.8	4
355	Nanofibrous artificial skin substitute composed of mPEG-PCL grafted gelatin/hyaluronan/chondroitin sulfate/sericin for 2 degree burn care: and study.. <i>RSC Advances</i> , 2018 , 8, 16420-16432	3.7	25
354	Drug-eluting stents versus bare-metal stents in saphenous vein grafts: a double-blind, randomised trial. <i>Lancet, The</i> , 2018 , 391, 1997-2007	40	46

353	Crystal Structure of a ligand-bound LacY-Nanobody Complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8769-8774	11.5	23
352	Exploring the Feasibility of Adsorptive Removal of ZnO Nanoparticles from Wastewater. <i>Water Environment Research</i> , 2018 , 90, 409-423	2.8	8
351	Tuning Noncollinear Spin Structure and Anisotropy in Ferromagnetic Nitride MXenes. <i>ACS Nano</i> , 2018 , 12, 6319-6325	16.7	73
350	Genetic analysis of the glucocerebrosidase gene in South Indian patients with Parkinson's disease. <i>Neurology India</i> , 2018 , 66, 1649-1654	0.7	1
349	Performance of a novel, manually operated intraosseous device in adult human cadavers. <i>American Journal of Disaster Medicine</i> , 2018 , 13, 5-12	0.6	
348	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	3.1	12
347	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	1.8	11
346	Sesamol ameliorates radiation induced DNA damage in hematopoietic system of whole body Irradiated mice. <i>Environmental and Molecular Mutagenesis</i> , 2018 , 59, 79-90	3.2	15
345	Power Estimation of Photovoltaic System using 4 and 5-parameter Solar Cell Models under Real Outdoor Conditions 2018 ,		4
344	Phytoremediation A Sustainable Solution for Reducing Heavy Metal Contamination from the Bhalaswa Landfill Site 2018 ,		1
343	Refractive Index Sensing Using Silicon-on-Insulator Waveguide Based Directional Coupler 2018 , 2, 1-4		4
342	Phase Transition in Monolayer Water Confined in Janus Nanopore. <i>Langmuir</i> , 2018 , 34, 12199-12205	4	16
341	Prediction of Enhanced Catalytic Activity for Hydrogen Evolution Reaction in Janus Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2018 , 18, 3943-3949	11.5	180
340	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	1.7	35
339	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	10	84
338	Selective M2 Macrophage Depletion Leads to Prolonged Inflammation in Surgical Wounds. <i>European Surgical Research</i> , 2017 , 58, 109-120	1.1	42
337	A homozygous mutation in TRIM36 causes autosomal recessive anencephaly in an Indian family. <i>Human Molecular Genetics</i> , 2017 , 26, 1104-1114	5.6	14
336	Long-term effect of metal oxide nanoparticles on activated sludge. <i>Water Science and Technology</i> , 2017 , 75, 462-473	2.2	6

335	Urea assisted synthesis of $\text{Ni}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ (0.01 < x < 0.8): Magnetic and Mössbauer investigations. <i>Journal of Alloys and Compounds</i> , 2017 , 704, 227-236	5.7	35
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