

# Tasawar Hayat

## List of Publications by Citations

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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.

481  
papers

14,502  
citations

61  
h-index

98  
g-index

492  
ext. papers

16,824  
ext. citations

4.1  
avg, IF

7.39  
L-index

#	Paper	IF	Citations
481	Metal-organic framework-based materials: superior adsorbents for the capture of toxic and radioactive metal ions. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 2322-2356	58.5	1077
480	A comparative study of Casson fluid with homogeneous-heterogeneous reactions. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 498, 85-90	9.3	571
479	Recent advances in layered double hydroxide-based nanomaterials for the removal of radionuclides from aqueous solution. <i>Environmental Pollution</i> , <b>2018</b> , 240, 493-505	9.3	307
478	Numerical solutions of fuzzy differential equations using reproducing kernel Hilbert space method. <i>Soft Computing</i> , <b>2016</b> , 20, 3283-3302	3.5	244
477	Entropy generation in flow with silver and copper nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 539, 335-346	5.1	232
476	Application of reproducing kernel algorithm for solving second-order, two-point fuzzy boundary value problems. <i>Soft Computing</i> , <b>2017</b> , 21, 7191-7206	3.5	212
475	Experimental and theoretical studies on competitive adsorption of aromatic compounds on reduced graphene oxides. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5654-5662	13	162
474	Hierarchical Parameter Estimation for the Frequency Response Based on the Dynamical Window Data. <i>International Journal of Control, Automation and Systems</i> , <b>2018</b> , 16, 1756-1764	2.9	158
473	Magnetic Porous Carbonaceous Material Produced from Tea Waste for Efficient Removal of As(V), Cr(VI), Humic Acid, and Dyes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 4371-4380	8.3	154
472	Advances in pantographic structures: design, manufacturing, models, experiments and image analyses. <i>Continuum Mechanics and Thermodynamics</i> , <b>2019</b> , 31, 1231-1282	3.5	153
471	The Effect of Hydrophobicity of Ammonium Salts on Stability of Quasi-2D Perovskite Materials in Moist Condition. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800051	21.8	151
470	Homotopy Solutions for a Generalized Second-Grade Fluid Past a Porous Plate. <i>Nonlinear Dynamics</i> , <b>2005</b> , 42, 395-405	5	146
469	Projection models for multiple attribute decision making with picture fuzzy information. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2018</b> , 9, 713-719	3.8	143
468	Layered double hydroxide intercalated with aromatic acid anions for the efficient capture of aniline from aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 321, 111-120	12.8	143
467	Entropy generation in magnetohydrodynamic radiative flow due to rotating disk in presence of viscous dissipation and Joule heating. <i>Physics of Fluids</i> , <b>2018</b> , 30, 017101	4.4	141
466	Ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets coupled with amorphous Cu-doped FeOOH nanoclusters as 2D/0D heterogeneous catalysts for water remediation. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1179-1190	7.1	131
465	The role of graphene oxide and graphene oxide-based nanomaterials in the removal of pharmaceuticals from aqueous media: a review. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 7938-7958	5.1	128

464	Temperature-assisted rapid nucleation: a facile method to optimize the film morphology for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20327-20333	13	125
463	Picture 2-tuple linguistic aggregation operators in multiple attribute decision making. <i>Soft Computing</i> , <b>2018</b> , 22, 989-1002	3.5	121
462	Superior coagulation of graphene oxides on nanoscale layered double hydroxides and layered double oxides. <i>Environmental Pollution</i> , <b>2016</b> , 219, 107-117	9.3	116
461	Robust fixed-time synchronization for uncertain complex-valued neural networks with discontinuous activation functions. <i>Neural Networks</i> , <b>2017</b> , 90, 42-55	9.1	114
460	Rice husks as a sustainable silica source for hierarchical flower-like metal silicate architectures assembled into ultrathin nanosheets for adsorption and catalysis. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 321, 92-102	12.8	114
459	A Linear Assignment Method for Multiple Criteria Decision Analysis with Hesitant Fuzzy Sets Based on Fuzzy Measure. <i>International Journal of Fuzzy Systems</i> , <b>2017</b> , 19, 607-614	3.6	112
458	Bipolar Fuzzy Hamacher Aggregation Operators in Multiple Attribute Decision Making. <i>International Journal of Fuzzy Systems</i> , <b>2018</b> , 20, 1-12	3.6	110
457	Bi-functional additive engineering for high-performance perovskite solar cells with reduced trap density. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6450-6458	13	103
456	Parameter estimation for pseudo-linear systems using the auxiliary model and the decomposition technique. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 390-400	2.5	102
455	Global dissipativity analysis for delayed quaternion-valued neural networks. <i>Neural Networks</i> , <b>2017</b> , 89, 97-104	9.1	87
454	Thermally stratified stretching flow with Cattaneo-Christov heat flux. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 106, 289-294	4.9	86
453	Effect of Joule heating and thermal radiation in flow of third grade fluid over radiative surface. <i>PLoS ONE</i> , <b>2014</b> , 9, e83153	3.7	83
452	Modeling and analysis for magnetic dipole impact in nonlinear thermally radiating Carreau nanofluid flow subject to heat generation. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 485, 197-204	2.8	81
451	Matrix measure based dissipativity analysis for inertial delayed uncertain neural networks. <i>Neural Networks</i> , <b>2016</b> , 75, 47-55	9.1	79
450	Collective responses in electrical activities of neurons under field coupling. <i>Scientific Reports</i> , <b>2018</b> , 8, 1349	4.9	78
449	Nonfragile $H_{\infty}$ Fuzzy Filtering With Randomly Occurring Gain Variations and Channel Fading. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 505-518	8.3	77
448	Magnetohydrodynamic (MHD) flow of Cu-water nanofluid due to a rotating disk with partial slip. <i>AIP Advances</i> , <b>2015</b> , 5, 067169	1.5	77
447	Impact of water chemistry on surface charge and aggregation of polystyrene microspheres suspensions. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 951-959	10.2	77

446	Long Wavelength Flow Analysis in a Curved Channel. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2010</b> , 65, 191-196	1.4	77
445	Performances and mechanisms of Mg/Al and Ca/Al layered double hydroxides for graphene oxide removal from aqueous solution. <i>Chemical Engineering Journal</i> , <b>2016</b> , 297, 106-115	14.7	77
444	Entropy generation optimization and unsteady squeezing flow of viscous fluid with five different shapes of nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 554, 197-210	5.1	75
443	Impact of Cattaneo-Christov Heat Flux in Jeffrey Fluid Flow with Homogeneous-Heterogeneous Reactions. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148662	3.7	75
442	Exploration of the adsorption performance and mechanism of zeolitic imidazolate framework-8@graphene oxide for Pb(II) and 1-naphthylamine from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 542, 410-420	9.3	75
441	Construction of Layered Double Hydroxides/Hollow Carbon Microsphere Composites and Its Applications for Mutual Removal of Pb(II) and Humic Acid from Aqueous Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 11268-11279	8.3	73
440	Structural Evolution and Compositional Modulation of ZIF-8-Derived Hybrids Comprised of Metallic Ni Nanoparticles and Silica as Interlayer. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 7255-7266	5.1	73
439	Synthesis of Ag nanoparticles decoration on magnetic carbonized polydopamine nanospheres for effective catalytic reduction of Cr(VI). <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 526, 1-8	9.3	73
438	On magnetohydrodynamic flow of second grade nanofluid over a nonlinear stretching sheet. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 408, 99-106	2.8	73
437	Combined experimental and theoretical investigation on selective removal of mercury ions by metal organic frameworks modified with thiol groups. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 790-801	14.7	73
436	New Insight into GO, Cadmium(II), Phosphate Interaction and Its Role in GO Colloidal Behavior. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9361-9	10.3	73
435	Efficient and Stable Pure Green All-Inorganic Perovskite CsPbBr <sub>3</sub> Light-Emitting Diodes with a Solution-Processed NiOx Interlayer. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 28132-28138	3.8	71
434	Optical-Electrical-Chemical Engineering of PEDOT:PSS by Incorporation of Hydrophobic Nafion for Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3902-3911	9.5	70
433	EDTA functionalized FeO/graphene oxide for efficient removal of U(VI) from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 506, 300-307	9.3	70
432	MHD stagnation point flow of Jeffrey fluid by a radially stretching surface with viscous dissipation and Joule heating. <i>Journal of Hydrology and Hydromechanics</i> , <b>2015</b> , 63, 311-317	2.1	69
431	Model electrical activity of neuron under electric field. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 1585-1598	5	69
430	Adsorption and co-adsorption of graphene oxide and Ni(II) on iron oxides: A spectroscopic and microscopic investigation. <i>Environmental Pollution</i> , <b>2018</b> , 233, 125-131	9.3	68
429	Electromagnetic induction and radiation-induced abnormality of wave propagation in excitable media. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2017</b> , 486, 508-516	3.3	66

428	Two-dimensional organic-inorganic hybrid perovskite: from material properties to device applications. <i>Science China Materials</i> , <b>2018</b> , 61, 1257-1277	7.1	64
427	Influence of Magnetic Field in Three-Dimensional Flow of Couple Stress Nanofluid over a Nonlinearly Stretching Surface with Convective Condition. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145332	3.7	64
426	Electromagneto squeezing rotational flow of Carbon (C)-Water (H <sub>2</sub> O) kerosene oil nanofluid past a Riga plate: A numerical study. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180976	3.7	64
425	A star-shaped carbazole-based hole-transporting material with triphenylamine side arms for perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12912-12918	7.1	64
424	Similarity transformation approach for ferromagnetic mixed convection flow in the presence of chemically reactive magnetic dipole. <i>Physics of Fluids</i> , <b>2016</b> , 28, 102003	4.4	63
423	Three-dimensional rotating flow of Jeffrey fluid for Cattaneo-Christov heat flux model. <i>AIP Advances</i> , <b>2016</b> , 6, 025012	1.5	63
422	State estimation for a class of artificial neural networks with stochastically corrupted measurements under Round-Robin protocol. <i>Neural Networks</i> , <b>2016</b> , 77, 70-79	9.1	62
421	Global exponential stability and lag synchronization for delayed memristive fuzzy Cohen-Grossberg BAM neural networks with impulses. <i>Neural Networks</i> , <b>2018</b> , 98, 122-153	9.1	62
420	MHD mixed convective peristaltic motion of nanofluid with Joule heating and thermophoresis effects. <i>PLoS ONE</i> , <b>2014</b> , 9, e111417	3.7	61
419	On Comparison of Series and Numerical Solutions for Flow of Eyring-Powell Fluid with Newtonian Heating And Internal Heat Generation/Absorption. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129613	3.7	61
418	Palladacycle Based Fluorescence Turn-On Probe for Sensitive Detection of Carbon Monoxide. <i>ACS Sensors</i> , <b>2018</b> , 3, 285-289	9.2	60
417	Decoration of ZIF-8 on polypyrrole nanotubes for highly efficient and selective capture of U(VI). <i>Journal of Cleaner Production</i> , <b>2018</b> , 204, 896-905	10.3	60
416	Enhancing the Photovoltaic Performance of Perovskite Solar Cells with a Down-Conversion Eu-Complex. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 26958-26964	9.5	59
415	Radiation and Mass Transfer Effects on the Magnetohydrodynamic Unsteady Flow Induced by a Stretching Sheet. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2010</b> , 65, 231-239	1.4	59
414	Hierarchical Principle-Based Iterative Parameter Estimation Algorithm for Dual-Frequency Signals. <i>Circuits, Systems, and Signal Processing</i> , <b>2019</b> , 38, 3251-3268	2.2	59
413	Peristaltic transport of Carreau-Yasuda fluid in a curved channel with slip effects. <i>PLoS ONE</i> , <b>2014</b> , 9, e95070	3.7	58
412	Interaction Mechanism of Re(VII) with Zirconium Dioxide Nanoparticles Anchored onto Reduced Graphene Oxides. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 2163-2171	8.3	57
411	Some q-rung orthopair fuzzy Hamy mean operators in multiple attribute decision-making and their application to enterprise resource planning systems selection. <i>International Journal of Intelligent Systems</i> , <b>2019</b> , 34, 2429-2458	8.4	57

410	Radiative hydromagnetic flow of jeffrey nanofluid by an exponentially stretching sheet. <i>PLoS ONE</i> , <b>2014</b> , 9, e103719	3.7	57
409	Designing function-oriented artificial nanomaterials and membranes via electrospinning and electro spraying techniques. <i>Materials Science and Engineering C</i> , <b>2018</b> , 92, 1075-1091	8.3	56
408	Stagnation-Point Flow and Heat Transfer of a Casson Fluid towards a Stretching Sheet. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2012</b> , 67, 70-76	1.4	55
407	Decontamination of U(VI) on graphene oxide/AlO composites investigated by XRD, FT-IR and XPS techniques. <i>Environmental Pollution</i> , <b>2019</b> , 248, 332-338	9.3	54
406	Coupling g-CN nanosheets with metal-organic frameworks as 2D/3D composite for the synergetic removal of uranyl ions from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 550, 117-127	9.3	53
405	A C60/TiOx bilayer for conformal growth of perovskite films for UV stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11086-11094	13	53
404	Insights into key factors controlling GO stability in natural surface waters. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 335, 56-65	12.8	52
403	Sensitive detection of sulfide based on the self-assembly of fluorescent silver nanoclusters on the surface of silica nanospheres. <i>Talanta</i> , <b>2017</b> , 174, 387-393	6.2	52
402	Simultaneous Removal of Graphene Oxide and Chromium(VI) on the Rare Earth Doped Titanium Dioxide Coated Carbon Sphere Composites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 5550-5561	8.3	51
401	Synthesis of nanoscale zero-valent iron loaded chitosan for synergistically enhanced removal of U(VI) based on adsorption and reduction. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 552, 735-743	9.3	48
400	On three-dimensional flow and heat transfer over a non-linearly stretching sheet: analytical and numerical solutions. <i>PLoS ONE</i> , <b>2014</b> , 9, e107287	3.7	48
399	Three-dimensional rotating flow of carbon nanotubes with Darcy-Forchheimer porous medium. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179576	3.7	47
398	High-Efficiency and UV-Stable Planar Perovskite Solar Cells Using a Low-Temperature, Solution-Processed Electron-Transport Layer. <i>ChemSusChem</i> , <b>2018</b> , 11, 1232-1237	8.3	47
397	A new switching control for finite-time synchronization of memristor-based recurrent neural networks. <i>Neural Networks</i> , <b>2017</b> , 86, 1-9	9.1	47
396	Nonlinear radiation heat transfer effects in the natural convective boundary layer flow of nanofluid past a vertical plate: a numerical study. <i>PLoS ONE</i> , <b>2014</b> , 9, e103946	3.7	47
395	Flow of a second grade fluid with convective boundary conditions. <i>Thermal Science</i> , <b>2011</b> , 15, 253-261	1.2	47
394	New insight into solvent engineering technology from evolution of intermediates via one-step spin-coating approach. <i>Science China Materials</i> , <b>2017</b> , 60, 392-398	7.1	46
393	Robust Stability of Markovian Jump Stochastic Neural Networks with Time Delays in the Leakage Terms. <i>Neural Processing Letters</i> , <b>2015</b> , 41, 1-27	2.4	46



392	Hall and Ohmic Heating Effects on the Peristaltic Transport of a Carreau-Yasuda Fluid in an Asymmetric Channel. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2014</b> , 69, 43-51	4.4	46
391	Gradient-Based Iterative Parameter Estimation Algorithms for Dynamical Systems from Observation Data. <i>Mathematics</i> , <b>2019</b> , 7, 428	2.3	45
390	Incorporating 4-tert-Butylpyridine in an Antisolvent: A Facile Approach to Obtain Highly Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3602-3608	9.5	45
389	Global lagrange stability of complex-valued neural networks of neutral type with time-varying delays. <i>Complexity</i> , <b>2016</b> , 21, 438-450	1.6	44
388	Slip effects on mixed convective peristaltic transport of copper-water nanofluid in an inclined channel. <i>PLoS ONE</i> , <b>2014</b> , 9, e105440	3.7	44
387	Electrochemically Derived Graphene-Like Carbon Film as a Superb Substrate for High-Performance Aqueous Zn-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907120	15.6	44
386	An overview of consensus problems in constrained multi-agent coordination. <i>Systems Science and Control Engineering</i> , <b>2014</b> , 2, 275-284	2	43
385	Peristaltic flow of a Johnson-Segalman fluid through a deformable tube. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2007</b> , 21, 369-380	2.3	43
384	Partially-coupled gradient-based iterative algorithms for multivariable output-error-like systems with autoregressive moving average noises. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 2613-2627	2.5	43
383	Calculation of Hamilton energy and control of dynamical systems with different types of attractors. <i>Chaos</i> , <b>2017</b> , 27, 053108	3.3	42
382	Promoting perovskite crystal growth to achieve highly efficient and stable solar cells by introducing acetamide as an additive. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9930-9937	13	42
381	Semi-tensor product method to a class of event-triggered control for finite evolutionary networked games. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 2140-2145	2.5	41
380	The rapid coagulation of graphene oxide on La-doped layered double hydroxides. <i>Chemical Engineering Journal</i> , <b>2017</b> , 309, 445-453	14.7	40
379	Mixed convection flow of viscoelastic fluid by a stretching cylinder with heat transfer. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118815	3.7	40
378	Radiation effects on the mixed convection flow induced by an inclined stretching cylinder with non-uniform heat source/sink. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175584	3.7	39
377	Solvothermal Synthesis of Hierarchical TiO Microstructures with High Crystallinity and Superior Light Scattering for High-Performance Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32026-32033	9.5	39
376	Molecular Engineering of Simple Benzene-Arylamine Hole-Transporting Materials for Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27657-27663	9.5	39
375	A Comparative Study for Flow of Viscoelastic Fluids with Cattaneo-Christov Heat Flux. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155185	3.7	39

- 374 MHD Convective Flow of Jeffrey Fluid Due to a Curved Stretching Surface with Homogeneous-Heterogeneous Reactions. *PLoS ONE*, **2016**, 11, e0161641 3.7 39
- 373 On mechanically driven biological stimulus for bone remodeling as a diffusive phenomenon. *Biomechanics and Modeling in Mechanobiology*, **2019**, 18, 1639-1663 3.8 38
- 372 Darcy-Forchheimer flow with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. *PLoS ONE*, **2017**, 12, e0174938 3.7 38
- 371 Least Squares based Iterative Parameter Estimation Algorithm for Stochastic Dynamical Systems with ARMA Noise Using the Model Equivalence. *International Journal of Control, Automation and Systems*, **2018**, 16, 630-639 2.9 38
- 370 Radiation effects on the flow of Powell-Eyring fluid past an unsteady inclined stretching sheet with non-uniform heat source/sink. *PLoS ONE*, **2014**, 9, e103214 3.7 38
- 369 Model and Comparative Study for Flow of Viscoelastic Nanofluids with Cattaneo-Christov Double Diffusion. *PLoS ONE*, **2017**, 12, e0168824 3.7 38
- 368 Thiophene-Arylamine Hole-Transporting Materials in Perovskite Solar Cells: Substitution Position Effect. *Energy Technology*, **2017**, 5, 1788-1794 3.5 37
- 367 Heteroaggregation behavior of graphene oxide on Zr-based metal-organic frameworks in aqueous solutions: a combined experimental and theoretical study. *Journal of Materials Chemistry A*, **2017**, 5, 20398-20406 3.2 37
- 366 Enhanced Performance and Stability of Perovskite Solar Cells Using NHI Interfacial Modifier. *ACS Applied Materials & Interfaces*, **2017**, 9, 41006-41013 9.5 36
- 365 Enhancing the Phase Stability of Inorganic CsPbI<sub>3</sub> by the Bication-Conjugated Organic Molecule for Efficient Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 37720-37725 9.5 36
- 364 Synthesis of highly porous inorganic adsorbents derived from metal-organic frameworks and their application in efficient elimination of mercury(II). *Journal of Colloid and Interface Science*, **2018**, 517, 61-71 9.3 36
- 363 Interaction between U(VI) with sulfhydryl groups functionalized graphene oxides investigated by batch and spectroscopic techniques. *Journal of Colloid and Interface Science*, **2018**, 524, 129-138 9.3 35
- 362 Joint Multi-innovation Recursive Extended Least Squares Parameter and State Estimation for a Class of State-space Systems. *International Journal of Control, Automation and Systems*, **2020**, 18, 1412-1424 2.9 35
- 361 Dissipativity-Based Fuzzy Control of Nonlinear Systems via an Event-Triggered Mechanism. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 1208-1217 7.3 35
- 360 Three-dimensional mixed convection flow of viscoelastic fluid with thermal radiation and convective conditions. *PLoS ONE*, **2014**, 9, e90038 3.7 34
- 359 Facile fabrication of perovskite layers with large grains through a solvent exchange approach. *Inorganic Chemistry Frontiers*, **2018**, 5, 348-353 6.8 34
- 358 Plasma surface modification of materials and their entrapment of water contaminant: A review. *Plasma Processes and Polymers*, **2017**, 14, 1600218 3.4 33
- 357 Marangoni mixed convection flow with Joule heating and nonlinear radiation. *AIP Advances*, **2015**, 5, 077140 1.5 33



356	MHD Flow and Heat Transfer between Coaxial Rotating Stretchable Disks in a Thermally Stratified Medium. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155899	3.7	33
355	Sensitive determination of endogenous hydroxyl radical in live cell by a BODIPY based fluorescent probe. <i>Talanta</i> , <b>2017</b> , 170, 314-321	6.2	32
354	Maximum Likelihood Recursive Identification for the Multivariate Equation-Error Autoregressive Moving Average Systems Using the Data Filtering. <i>IEEE Access</i> , <b>2019</b> , 7, 41154-41163	3.5	32
353	Peristaltic Motion of a non-Newtonian Nanofluid in an Asymmetric Channel. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2014</b> , 69, 451-461	1.4	32
352	Eyring-Powell nanofluid flow with nonlinear mixed convection: Entropy generation minimization. <i>Computer Methods and Programs in Biomedicine</i> , <b>2020</b> , 186, 105183	6.9	32
351	Hierarchical recursive signal modeling for multifrequency signals based on discrete measured data. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2021</b> , 35, 676-693	2.8	32
350	Radiative flow of a tangent hyperbolic fluid with convective conditions and chemical reaction. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3.1	32
349	MABAC method for multiple attribute group decision making under picture 2-tuple linguistic environment. <i>Soft Computing</i> , <b>2020</b> , 24, 5819-5829	3.5	32
348	Flow of chemically reactive magneto Cross nanoliquid with temperature-dependent conductivity. <i>Applied Nanoscience (Switzerland)</i> , <b>2018</b> , 8, 1453-1460	3.3	31
347	Homogeneous-heterogeneous reactions in MHD radiative flow of second grade fluid due to a curved stretching surface. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 145, 118781	4.9	31
346	Homogeneous-heterogeneous reactions in peristaltic flow with convective conditions. <i>PLoS ONE</i> , <b>2014</b> , 9, e113851	3.7	31
345	Influence of carbonate on sequestration of U(VI) on perovskite. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 364, 100-107	12.8	31
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