

Ahmed Alsaedi

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586
papers

22,323
citations

78
h-index

119
g-index

605
ext. papers

25,318
ext. citations

4.1
avg, IF

7.73
L-index

#	Paper	IF	Citations
586	Metal-organic framework-based materials: superior adsorbents for the capture of toxic and radioactive metal ions. <i>Chemical Society Reviews</i> , 2018 , 47, 2322-2356	58.5	1077
585	Environmental Remediation and Application of Nanoscale Zero-Valent Iron and Its Composites for the Removal of Heavy Metal Ions: A Review. <i>Environmental Science & Technology</i> , 2016 , 50, 7290-304	10.3	789
584	A comparative study of Casson fluid with homogeneous-heterogeneous reactions. <i>Journal of Colloid and Interface Science</i> , 2017 , 498, 85-90	9.3	571
583	Magnetohydrodynamic (MHD) mixed convection flow of micropolar liquid due to nonlinear stretched sheet with convective condition. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 102, 766-772	4.9	366
582	Application of graphitic carbon nitride for the removal of Pb(II) and aniline from aqueous solutions. <i>Chemical Engineering Journal</i> , 2015 , 260, 469-477	14.7	278
581	New properties of conformable derivative. <i>Open Mathematics</i> , 2015 , 13,	0.8	223
580	Analysis of thixotropic nanomaterial in a doubly stratified medium considering magnetic field effects. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 102, 1123-1129	4.9	180
579	Macroscopic, Spectroscopic, and Theoretical Investigation for the Interaction of Phenol and Naphthol on Reduced Graphene Oxide. <i>Environmental Science & Technology</i> , 2017 , 51, 3278-3286	10.3	176
578	Enhanced removal of methyl orange on calcined glycerol-modified nanocrystalline Mg/Al layered double hydroxides. <i>Chemical Engineering Journal</i> , 2017 , 307, 476-486	14.7	176
577	A study of nonlinear Langevin equation involving two fractional orders in different intervals. <i>Nonlinear Analysis: Real World Applications</i> , 2012 , 13, 599-606	2.1	169
576	β-Cyclodextrin modified graphitic carbon nitride for the removal of pollutants from aqueous solution: experimental and theoretical calculation study. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14170-14179	13.1	14179 ⁶⁵
575	MHD three-dimensional flow of nanofluid with velocity slip and nonlinear thermal radiation. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 396, 31-37	2.8	162
574	An ecological risk assessment of heavy metal pollution of the agricultural ecosystem near a lead-acid battery factory. <i>Ecological Indicators</i> , 2014 , 47, 210-218	5.8	159
573	Hierarchical Parameter Estimation for the Frequency Response Based on the Dynamical Window Data. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 1756-1764	2.9	158
572	Synthesis of novel flower-like layered double oxides/carbon dots nanocomposites for U(VI) and ²⁴¹ Am(III) efficient removal: Batch and EXAFS studies. <i>Chemical Engineering Journal</i> , 2018 , 332, 775-786	14.7	156
571	Enhanced sequestration of selenite in water by nanoscale zero valent iron immobilization on carbon nanotubes by a combined batch, XPS and XAFS investigation. <i>Carbon</i> , 2016 , 99, 123-130	10.4	155
570	Energy consumption for water use cycles in different countries: A review. <i>Applied Energy</i> , 2016 , 178, 868-885	10.7	154

569	Cr(VI) Reduction and Immobilization by Core-Double-Shell Structured Magnetic Idazolate Frameworks-8 Microspheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 6795-6802	8.3	151
568	Silica coated Fe ₃ O ₄ magnetic nanospheres for high removal of organic pollutants from wastewater. <i>Chemical Engineering Journal</i> , 2016 , 306, 280-288	14.7	145
567	A revised model for Darcy-Forchheimer flow of Maxwell nanofluid subject to convective boundary condition. <i>Chinese Journal of Physics</i> , 2017 , 55, 963-976	3.5	143
566	Convective flow of carbon nanotubes between rotating stretchable disks with thermal radiation effects. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 101, 948-957	4.9	142
565	On magnetohydrodynamic three-dimensional flow of nanofluid over a convectively heated nonlinear stretching surface. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 100, 566-572	4.9	142
564	Effects of homogeneous and heterogeneous reactions in flow of nanofluids over a nonlinear stretching surface with variable surface thickness. <i>Journal of Molecular Liquids</i> , 2016 , 221, 1121-1127	6	134
563	Hesitant pythagorean fuzzy hamacher aggregation operators and their application to multiple attribute decision making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 33, 1105-1117	1.6	132
562	On magnetohydrodynamic flow of nanofluid due to a rotating disk with slip effect: A numerical study. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 315, 467-477	5.7	130
561	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> , 2017 , 24, 7938-7958	5.1	128
560	Comparative study of silver and copper water nanofluids with mixed convection and nonlinear thermal radiation. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 102, 723-732	4.9	125
559	Temperature-assisted rapid nucleation: a facile method to optimize the film morphology for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20327-20333	13	125
558	An analytical solution for magnetohydrodynamic Oldroyd-B nanofluid flow induced by a stretching sheet with heat generation/absorption. <i>International Journal of Thermal Sciences</i> , 2017 , 111, 274-288	4.1	123
557	On Cattaneo-Christov heat flux in MHD flow of Oldroyd-B fluid with homogeneous/heterogeneous reactions. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 401, 296-303	2.8	120
556	Preparation of Molybdenum Disulfide Coated Mg/Al Layered Double Hydroxide Composites for Efficient Removal of Chromium(VI). <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7165-7174	8.3	120
555	A modified homogeneous-heterogeneous reactions for MHD stagnation flow with viscous dissipation and Joule heating. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 113, 310-317	4.9	120
554	Pythagorean 2-tuple linguistic aggregation operators in multiple attribute decision making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 33, 1129-1142	1.6	120
553	Inclined magnetic field and heat source/sink aspects in flow of nanofluid with nonlinear thermal radiation. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 103, 99-107	4.9	119
552	Superior coagulation of graphene oxides on nanoscale layered double hydroxides and layered double oxides. <i>Environmental Pollution</i> , 2016 , 219, 107-117	9.3	116

551	Robust fixed-time synchronization for uncertain complex-valued neural networks with discontinuous activation functions. <i>Neural Networks</i> , 2017 , 90, 42-55	9.1	114
550	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> , 2017 , 321, 92-102	12.8	114
549	Interaction of sulfonated graphene oxide with U(VI) studied by spectroscopic analysis and theoretical calculations. <i>Chemical Engineering Journal</i> , 2017 , 310, 292-299	14.7	113
548	A Linear Assignment Method for Multiple Criteria Decision Analysis with Hesitant Fuzzy Sets Based on Fuzzy Measure. <i>International Journal of Fuzzy Systems</i> , 2017 , 19, 607-614	3.6	112
547	Synthesis of layered titanate nanowires at low temperature and their application in efficient removal of U(VI). <i>Environmental Pollution</i> , 2017 , 226, 125-134	9.3	112
546	A multi-innovation state and parameter estimation algorithm for a state space system with d-step state-delay. <i>Signal Processing</i> , 2017 , 140, 97-103	4.4	104
545	Synergistic immobilization of UO ₂ ²⁺ by novel graphitic carbon nitride @ layered double hydroxide nanocomposites from wastewater. <i>Chemical Engineering Journal</i> , 2017 , 330, 573-584	14.7	104
544	Parameter estimation for pseudo-linear systems using the auxiliary model and the decomposition technique. <i>IET Control Theory and Applications</i> , 2017 , 11, 390-400	2.5	102
543	Bifurcations in a delayed fractional complex-valued neural network. <i>Applied Mathematics and Computation</i> , 2017 , 292, 210-227	2.7	100
542	Hadamard-Type Fractional Differential Equations, Inclusions and Inequalities 2017 ,		99
541	Hesitant bipolar fuzzy aggregation operators in multiple attribute decision making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 33, 1119-1128	1.6	98
540	Analytic approximation of solutions of the forced Duffing equation with integral boundary conditions. <i>Nonlinear Analysis: Real World Applications</i> , 2008 , 9, 1727-1740	2.1	98
539	Gradient estimation algorithms for the parameter identification of bilinear systems using the auxiliary model. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 369, 112575	2.4	96
538	Bipolar 2-tuple linguistic aggregation operators in multiple attribute decision making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 33, 1197-1207	1.6	94
537	Finite-time synchronization of uncertain coupled switched neural networks under asynchronous switching. <i>Neural Networks</i> , 2017 , 85, 128-139	9.1	93
536	Controlling bifurcation in a delayed fractional predator-prey system with incommensurate orders. <i>Applied Mathematics and Computation</i> , 2017 , 293, 293-310	2.7	93
535	Viscous dissipation effect in flow of magnetonano fluid with variable properties. <i>Journal of Molecular Liquids</i> , 2016 , 222, 47-54	6	92
534	Application of graphene oxides and graphene oxide-based nanomaterials in radionuclide removal from aqueous solutions. <i>Science Bulletin</i> , 2016 , 61, 1583-1593	10.6	91

533	Global dissipativity of memristor-based neutral type inertial neural networks. <i>Neural Networks</i> , 2017 , 88, 125-133	9.1	89
532	Analysis of time-fractional hunter-saxton equation: a model of neumatic liquid crystal. <i>Open Physics</i> , 2016 , 14, 145-149	1.3	89
531	Global dissipativity analysis for delayed quaternion-valued neural networks. <i>Neural Networks</i> , 2017 , 89, 97-104	9.1	87
530	Driving force analysis of water footprint change based on extended STIRPAT model: Evidence from the Chinese agricultural sector. <i>Ecological Indicators</i> , 2014 , 47, 43-49	5.8	86
529	Synergistic coagulation of GO and secondary adsorption of heavy metal ions on Ca/Al layered double hydroxides. <i>Environmental Pollution</i> , 2017 , 229, 827-836	9.3	86
528	Thermally stratified stretching flow with Cattaneo-Christov heat flux. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 106, 289-294	4.9	86
527	A novel expansion iterative method for solving linear partial differential equations of fractional order. <i>Applied Mathematics and Computation</i> , 2015 , 257, 119-133	2.7	86
526	On Darcy-Forchheimer flow of carbon nanotubes due to a rotating disk. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 112, 248-254	4.9	85
525	Nanofluid flow due to rotating disk with variable thickness and homogeneous-heterogeneous reactions. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 113, 96-105	4.9	83
524	Removal of U(VI) from Aqueous Solution by Amino Functionalized Flake Graphite Prepared by Plasma Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4073-4085	8.3	83
523	Effect of Joule heating and thermal radiation in flow of third grade fluid over radiative surface. <i>PLoS ONE</i> , 2014 , 9, e83153	3.7	83
522	On a coupled system of fractional differential equations with coupled nonlocal and integral boundary conditions. <i>Chaos, Solitons and Fractals</i> , 2016 , 83, 234-241	9.3	82
521	Simultaneous removal of U(VI) and humic acid on defective TiO ₂ investigated by batch and spectroscopy techniques. <i>Chemical Engineering Journal</i> , 2017 , 325, 576-587	14.7	81
520	Adaptive fuzzy prescribed performance controller design for a class of uncertain fractional-order nonlinear systems with external disturbances. <i>Neurocomputing</i> , 2017 , 219, 422-430	5.4	81
519	Outcome for chemically reactive aspect in flow of tangent hyperbolic material. <i>Journal of Molecular Liquids</i> , 2017 , 230, 143-151	6	80
518	Magnetohydrodynamic (MHD) nonlinear convective flow of Walters-B nanofluid over a nonlinear stretching sheet with variable thickness. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 110, 506-514	4.9	80
517	Event-triggered multi-rate fusion estimation for uncertain system with stochastic nonlinearities and colored measurement noises. <i>Information Fusion</i> , 2017 , 36, 313-320	16.7	80
516	Significance of nonlinear radiation in mixed convection flow of magneto Walter-B nanoliquid. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 26408-26416	6.7	79

515	Nonlinear thermal radiation in three-dimensional flow of Jeffrey nanofluid: A model for solar energy. <i>Applied Mathematics and Computation</i> , 2014 , 248, 273-286	2.7	79
514	Experimental and theoretical study on selenate uptake to zirconium metal-organic frameworks: Effect of defects and ligands. <i>Chemical Engineering Journal</i> , 2017 , 330, 1012-1021	14.7	79
513	Unsteady flow of nanofluid with double stratification and magnetohydrodynamics. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 92, 100-109	4.9	78
512	Mathematical modeling of non-Newtonian fluid with chemical aspects: A new formulation and results by numerical technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 518, 263-272	5.1	78
511	Synthesis of magnetic Fe ₃ O ₄ /CFA composites for the efficient removal of U(VI) from wastewater. <i>Chemical Engineering Journal</i> , 2017 , 320, 448-457	14.7	78
510	New Existence Results for Nonlinear Fractional Differential Equations with Three-Point Integral Boundary Conditions. <i>Advances in Difference Equations</i> , 2011 , 2011, 1-11	3.6	78
509	Magnetohydrodynamic (MHD) flow of Cu-water nanofluid due to a rotating disk with partial slip. <i>AIP Advances</i> , 2015 , 5, 067169	1.5	77
508	Performances and mechanisms of Mg/Al and Ca/Al layered double hydroxides for graphene oxide removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2016 , 297, 106-115	14.7	77
507	Stationary distribution of stochastic SIS epidemic model with vaccination under regime switching. <i>Applied Mathematics Letters</i> , 2016 , 59, 87-93	3.5	76
506	Impact of Cattaneo-Christov Heat Flux in Jeffrey Fluid Flow with Homogeneous-Heterogeneous Reactions. <i>PLoS ONE</i> , 2016 , 11, e0148662	3.7	75
505	Impact of magnetohydrodynamics in bidirectional flow of nanofluid subject to second order slip velocity and homogeneous-heterogeneous reactions. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 395, 294-302	2.8	74
504	Spectroscopic and theoretical studies on the counterion effect of Cu(II) ion and graphene oxide interaction with titanium dioxide. <i>Environmental Science: Nano</i> , 2016 , 3, 1361-1368	7.1	74
503	Homogeneous-heterogeneous reactions in MHD flow of micropolar fluid by a curved stretching surface. <i>Journal of Molecular Liquids</i> , 2017 , 240, 209-220	6	73
502	Combined experimental and theoretical investigation on selective removal of mercury ions by metal organic frameworks modified with thiol groups. <i>Chemical Engineering Journal</i> , 2018 , 354, 790-801	14.7	73
501	Dissipativity and stability analysis of fractional-order complex-valued neural networks with time delay. <i>Neural Networks</i> , 2017 , 86, 42-53	9.1	73
500	A coupled system of Hadamard type sequential fractional differential equations with coupled strip conditions. <i>Chaos, Solitons and Fractals</i> , 2016 , 91, 39-46	9.3	73
499	EDTA functionalized FeO/graphene oxide for efficient removal of U(VI) from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2017 , 506, 300-307	9.3	70
498	Effect of Energy Alignment, Electron Mobility, and Film Morphology of Perylene Diimide Based Polymers as Electron Transport Layer on the Performance of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10983-10991	9.5	69

497	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> , 2015 , 63, 311-317	2.1	69
496	Analytic solution for magnetohydrodynamic boundary layer flow of Casson fluid over a stretching/shrinking sheet with wall mass transfer. <i>Chinese Physics B</i> , 2013 , 22, 024702	1.2	68
495	Impact of heat generation/absorption and homogeneous-heterogeneous reactions on flow of Maxwell fluid. <i>Journal of Molecular Liquids</i> , 2017 , 233, 465-470	6	67
494	Embodiment of virtual water of power generation in the electric power system in China. <i>Applied Energy</i> , 2015 , 151, 345-354	10.7	67
493	Homogeneous-heterogeneous reactions in MHD flow due to an unsteady curved stretching surface. <i>Journal of Molecular Liquids</i> , 2016 , 221, 245-253	6	67
492	Rational design and synthesis of monodispersed hierarchical SiO ₂ @layered double hydroxide nanocomposites for efficient removal of pollutants from aqueous solution. <i>Chemical Engineering Journal</i> , 2017 , 323, 143-152	14.7	66
491	Three-dimensional flow of nanofluid with Cattaneo-Christov double diffusion. <i>Results in Physics</i> , 2016 , 6, 897-903	3.7	66
490	On Darcy-Forchheimer flow of viscoelastic nanofluids: A comparative study. <i>Journal of Molecular Liquids</i> , 2017 , 233, 278-287	6	64
489	Finite-time non-fragile passivity control for neural networks with time-varying delay. <i>Applied Mathematics and Computation</i> , 2017 , 297, 145-158	2.7	64
488	Electromagneto squeezing rotational flow of Carbon (C)-Water (H ₂ O) kerosene oil nanofluid past a Riga plate: A numerical study. <i>PLoS ONE</i> , 2017 , 12, e0180976	3.7	64
487	Similarity transformation approach for ferromagnetic mixed convection flow in the presence of chemically reactive magnetic dipole. <i>Physics of Fluids</i> , 2016 , 28, 102003	4.4	63
486	Three-dimensional rotating flow of Jeffrey fluid for Cattaneo-Christov heat flux model. <i>AIP Advances</i> , 2016 , 6, 025012	1.5	63
485	Impact of graphene oxide on the antibacterial activity of antibiotics against bacteria. <i>Environmental Science: Nano</i> , 2017 , 4, 1016-1024	7.1	62
484	Palladacycle Based Fluorescence Turn-On Probe for Sensitive Detection of Carbon Monoxide. <i>ACS Sensors</i> , 2018 , 3, 285-289	9.2	60
483	Decoration of ZIF-8 on polypyrrole nanotubes for highly efficient and selective capture of U(VI). <i>Journal of Cleaner Production</i> , 2018 , 204, 896-905	10.3	60
482	Existence and global exponential stability of pseudo almost periodic solution for neutral delay BAM neural networks with time-varying delay in leakage terms. <i>Chaos, Solitons and Fractals</i> , 2018 , 107, 111-127 ³	9.3	59
481	Partial slip effect in flow of magnetite-Fe ₃ O ₄ nanoparticles between rotating stretchable disks. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 413, 39-48	2.8	59
480	Peristaltic transport of Carreau-Yasuda fluid in a curved channel with slip effects. <i>PLoS ONE</i> , 2014 , 9, e95070	3.7	58

479	Three-Dimensional MHD Flow of Casson Fluid in Porous Medium with Heat Generation. <i>Journal of Applied Fluid Mechanics</i> , 2016 , 9, 215-223	1.5	58
478	Nonlinear thermal radiation aspects in stagnation point flow of tangent hyperbolic nanofluid with double diffusive convection. <i>Journal of Molecular Liquids</i> , 2016 , 223, 969-978	6	58
477	Simultaneous influences of mixed convection and nonlinear thermal radiation in stagnation point flow of Oldroyd-B fluid towards an unsteady convectively heated stretched surface. <i>Journal of Molecular Liquids</i> , 2016 , 224, 811-817	6	58
476	Convective flow of ferrofluid due to a curved stretching surface with homogeneous-heterogeneous reactions. <i>Powder Technology</i> , 2017 , 310, 154-162	5.2	57
475	Interaction Mechanism of Re(VII) with Zirconium Dioxide Nanoparticles Anchored onto Reduced Graphene Oxides. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2163-2171	8.3	57
474	MHD 3D flow of nanofluid in presence of convective conditions. <i>Journal of Molecular Liquids</i> , 2015 , 212, 203-208	6	57
473	Direct Synthesis of Bacteria-Derived Carbonaceous Nanofibers as a Highly Efficient Material for Radionuclides Elimination. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4608-4616	8.3	57
472	A strategically designed porous magnetic N-doped Fe/Fe ₃ C@C matrix and its highly efficient uranium(VI) remediation. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1227-1235	6.8	57
471	Magnetohydrodynamic (MHD) three-dimensional flow of second grade nanofluid by a convectively heated exponentially stretching surface. <i>Journal of Molecular Liquids</i> , 2016 , 220, 1004-1012	6	57
470	Existence of solutions for nonlinear fractional q-difference integral equations with two fractional orders and nonlocal four-point boundary conditions. <i>Journal of the Franklin Institute</i> , 2014 , 351, 2890-2909	6.9	57
469	Radiative hydromagnetic flow of jeffrey nanofluid by an exponentially stretching sheet. <i>PLoS ONE</i> , 2014 , 9, e103719	3.7	57
468	Thermally radiative stagnation point flow of Maxwell nanofluid due to unsteady convectively heated stretched surface. <i>Journal of Molecular Liquids</i> , 2016 , 224, 801-810	6	57
467	MHD convective flow due to a curved surface with thermal radiation and chemical reaction. <i>Journal of Molecular Liquids</i> , 2017 , 225, 482-489	6	55
466	On model of Burgers fluid subject to magneto nanoparticles and convective conditions. <i>Journal of Molecular Liquids</i> , 2016 , 222, 181-187	6	55
465	Enhancing the crystallinity of HC(NH ₂) ₂ PbI ₃ film by incorporating methylammonium halide intermediate for efficient and stable perovskite solar cells. <i>Nano Energy</i> , 2017 , 40, 248-257	17.1	55
464	Life-cycle environmental impact analysis of a typical cement production chain. <i>Applied Energy</i> , 2016 , 164, 916-923	10.7	54
463	Design of extended dissipativity state estimation for generalized neural networks with mixed time-varying delay signals. <i>Information Sciences</i> , 2018 , 424, 175-203	7.7	54
462	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> , 2019 , 550, 117-127	9.3	53

461	Interaction of radionuclides with natural and manmade materials using XAFS technique. <i>Science China Chemistry</i> , 2017 , 60, 170-187	7.9	53
460	Insights into key factors controlling GO stability in natural surface waters. <i>Journal of Hazardous Materials</i> , 2017 , 335, 56-65	12.8	52
459	Sensitive detection of sulfide based on the self-assembly of fluorescent silver nanoclusters on the surface of silica nanospheres. <i>Talanta</i> , 2017 , 174, 387-393	6.2	52
458	On the analytic solutions for squeezing flow of nanofluid between parallel disks. <i>Nonlinear Analysis: Modelling and Control</i> , 2012 , 17, 418-430	1.3	52
457	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> , 2017 , 5, 5550-5561	8.3	51
456	Fractional electrical circuits. <i>Advances in Mechanical Engineering</i> , 2015 , 7, 168781401561812	1.2	51
455	Global exponential stability and dissipativity of generalized neural networks with time-varying delay signals. <i>Neural Networks</i> , 2017 , 87, 149-159	9.1	50
454	Effects of time delays on stability and Hopf bifurcation in a fractional ring-structured network with arbitrary neurons. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 57, 1-13	3.7	50
453	Effects of homogeneous-heterogeneous reactions in flow of magnetite-Fe ₃ O ₄ nanoparticles by a rotating disk. <i>Journal of Molecular Liquids</i> , 2016 , 216, 845-855	6	50
452	Melting heat transfer in the MHD flow of Cu-water nanofluid with viscous dissipation and Joule heating. <i>Advanced Powder Technology</i> , 2016 , 27, 1301-1308	4.6	50
451	Mixed convection flow of Casson nanofluid over a stretching cylinder with convective boundary conditions. <i>Advanced Powder Technology</i> , 2016 , 27, 2245-2256	4.6	49
450	On strong solutions to the compressible Hall-magnetohydrodynamic system. <i>Nonlinear Analysis: Real World Applications</i> , 2015 , 22, 423-434	2.1	48
449	Understanding the adsorption mechanism of Ni(II) on graphene oxides by batch experiments and density functional theory studies. <i>Science China Chemistry</i> , 2016 , 59, 412-419	7.9	48
448	On three-dimensional flow and heat transfer over a non-linearly stretching sheet: analytical and numerical solutions. <i>PLoS ONE</i> , 2014 , 9, e107287	3.7	48
447	Three-dimensional flow of an oldroyd-B fluid with variable thermal conductivity and heat generation/absorption. <i>PLoS ONE</i> , 2013 , 8, e78240	3.7	48
446	Superior sorption capacities of Ca-Ti and Ca-Al bimetallic oxides for U(VI) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2017 , 316, 419-428	14.7	47
445	Three-dimensional flow of nanofluid with heat and mass flux boundary conditions. <i>Chinese Journal of Physics</i> , 2017 , 55, 1495-1510	3.5	47
444	Synchronization of nonlinear singularly perturbed complex networks with uncertain inner coupling via event triggered control. <i>Applied Mathematics and Computation</i> , 2017 , 311, 283-299	2.7	47

443	Hydromagnetic peristalsis of water based nanofluids with temperature dependent viscosity: A comparative study. <i>Journal of Molecular Liquids</i> , 2017 , 234, 324-329	6	47
442	Three-dimensional rotating flow of carbon nanotubes with Darcy-Forchheimer porous medium. <i>PLoS ONE</i> , 2017 , 12, e0179576	3-7	47
441	A new switching control for finite-time synchronization of memristor-based recurrent neural networks. <i>Neural Networks</i> , 2017 , 86, 1-9	9-1	47
440	New bifurcation results for fractional BAM neural network with leakage delay. <i>Chaos, Solitons and Fractals</i> , 2017 , 100, 31-44	9-3	46
439	Functionalization of biomass carbonaceous aerogels and their application as electrode materials for electro-enhanced recovery of metal ions. <i>Environmental Science: Nano</i> , 2017 , 4, 1114-1123	7-1	46
438	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> , 2014 , 69, 43-51	4-4	46
437	An Optimization Algorithm for Solving Systems of Singular Boundary Value Problems. <i>Applied Mathematics and Information Sciences</i> , 2014 , 8, 2809-2821	2-4	46
436	Gradient-Based Iterative Parameter Estimation Algorithms for Dynamical Systems from Observation Data. <i>Mathematics</i> , 2019 , 7, 428	2-3	45
435	Efficient removal of phenol and aniline from aqueous solutions using graphene oxide/polypyrrole composites. <i>Journal of Molecular Liquids</i> , 2015 , 203, 80-89	6	45
434	Piecewise Pseudo Almost Periodic Solution for Impulsive Generalised High-Order Hopfield Neural Networks with Leakage Delays. <i>Neural Processing Letters</i> , 2017 , 45, 615-648	2-4	45
433	On Squeezed Flow of Jeffrey Nanofluid between Two Parallel Disks. <i>Applied Sciences (Switzerland)</i> , 2016 , 6, 346	2-6	45
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