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## An investigation of particle trajectories in two-phase flow systems

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1894	Experimental investigation of a free falling powder jet and the air entrainment. <b>2001</b> , 115, 90-95	42
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1891	Experimental Verification of Two New Theories Predicting Temperature-Dependent Viscosity Effects on the Forced Convection in a Porous Channel. <b>2001</b> , 123, 948-951	9

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1862	Evaluation of erosion-corrosion in multiphase flow via CFD and experimental analysis. <b>2003</b> , 255, 237-245	85
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1050	Streaming and Phase-Change Material Microcapsules-Based Mini/Microheat Spreader. <b>2017</b> , 9,	
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605	Numerical Characterization of an Ultrasonic Mist Generator as an Evaporative Cooler. <b>2020</b> , 13, 2971	1
604	Numerical simulation of the effect of rain on aerodynamic performance and aeroacoustic mechanism of an airfoil via a two-phase flow approach. <b>2020</b> , 2, 1	2
603	On the aerodynamic fog collection efficiency of fog water collectors via three-dimensional numerical simulations. <b>2020</b> , 245, 105123	4
602	Dry powder inhaler aerosol deposition in a model of tracheobronchial airways: Validating CFD predictions with in vitro data. <b>2020</b> , 587, 119599	12
601	The application of Buckingham $\pi$ theorem to Lattice-Boltzmann modelling of sewage sludge digestion. <b>2020</b> , 209, 104632	
600	Estimation of NO <sub>x</sub> and soot emission from a constant volume n-butanol/n-dodecane blended spray using unsteady flamelet model based on n-dodecane/n-butanol/NO <sub>x</sub> /PAH chemistry. <b>2020</b> , 93, 1868-1882	5
599	Numerical modelling of ceria undergoing reduction in a particle-gas counter-flow: Effects of chemical kinetics under isothermal conditions. <b>2020</b> , 218, 115553	4
598	Analysis and simulation of erosion of sand control screens in deep water gas well and its practical application. <b>2020</b> , 189, 106997	12
597	Numerical analysis of gasification characteristics in combined coal gasification and flash ironmaking process. <b>2020</b> , 171, 115067	9
596	Numerical study on characteristics of particle deposition efficiency on different walls of 90° square bend. <b>2020</b> , 364, 572-583	5
595	A Concise Review of Experimental Works on Proppant Transport and Slurry Flow. <b>2020</b> ,	1

594	CFD simulation of a novel design of square cyclone with dual-inverse cone. <b>2020</b> , 31, 1748-1758	14
593	Numerical investigation on the performance and flow pattern of two novel innovative designs of four-inlet cyclone separator. <b>2020</b> , 150, 107867	18
592	In-flame spheroid formation from non-spherical slag particles $\square$ A numerical and experimental study. <b>2020</b> , 151, 119412	2
591	A novel technical route based on wet flue gas desulfurization process for flue gas dehumidification, water and heat recovery. <b>2020</b> , 171, 115102	19
590	Gas-solid two-phase flow and erosion calculation of gate valve based on the CFD-DEM model. <b>2020</b> , 366, 395-407	23
589	Droplet Retention Time and Pressure Drop in SiSiC Open-Cell Foams Used as Droplet Separation Devices: A Numerical Approach. <b>2020</b> , 59, 4093-4107	0
588	Numerical study on the performance of a two-nozzle spray cooling system under different conditions. <b>2020</b> , 152, 106291	9
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586	Experimental and numerical study of air-water mist jet impingement cooling on a cylinder. <b>2020</b> , 150, 119368	13
585	Hazard evaluation of explosion venting behaviors for aluminum powder/air fuels using experimental and numerical approach. <b>2020</b> , 364, 78-87	14
584	Influence of the dipleg and dustbin dimensions on performance of gas cyclones: An optimization study. <b>2020</b> , 239, 116553	19
583	Experimental and numerical investigation of two phase ejector performance with the water injected into the induced flow. <b>2020</b> , 2, 15-24	5
582	Breakup, Coalescence, and Migration Regularity of Bubbles under Gas-liquid Swirling Flow in Gas-liquid Cylindrical Cyclone. <b>2020</b> , 59, 2068-2082	4
581	Zonal modelling of a counter-current spray drying tower. <b>2020</b> , 155, 180-199	2
580	Computational fluid dynamics simulation of aerodynamic performance and flow separation by single element and slatted airfoils under rainfall conditions. <b>2020</b> , 83, 683-702	6
579	Two-phase bubbly flow simulation using CFD method: A review of models for interfacial forces. <b>2020</b> , 125, 103360	31
578	Particle trajectories in pipe flow considering particle-wall collisions. <b>2020</b> , 32, 043307	3
577	Random process of particle-wall collision and its application in numerical simulation of solid particle erosion. <b>2020</b> , 452-453, 203288	1

576	Mechanics of Bio-Sediment Transport. <b>2020</b> ,	2
575	CFD simulation of fine particle removal in flue gas condensing heat exchanger. <b>2020</b> , 174, 115290	5
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573	Numerical study on the erosion process of the low temperature economizer using computational fluid dynamics-discrete particle method. <b>2020</b> , 450-451, 203269	6
572	Effects of chef operation on oil fume particle collection of household range hood. <b>2020</b> , 27, 23824-23836	2
571	CFD modeling of black powder particles deposition in 3D 90-degree bend of natural gas pipelines. <b>2020</b> , 78, 103330	7
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569	Evaluation of in-duct UV-C lamp array on air disinfection: A numerical analysis. <b>2021</b> , 27, 98-108	8
568	Optimal Robust Navigation Control of an Endovascular Microrobot. <b>2021</b> , 45, 379-392	
567	Performance analysis of an integrated cooling system consisted of earth-to-air heat exchanger (EAHE) and water spray channel. <b>2021</b> , 143, 473-483	8
566	Investigations of lateral particle distribution for spherical and highly non-spherical particles by means of steady-state/transient RANS and LES simulations. <b>2021</b> , 378, 618-638	2
565	Modeling of the transport, hygroscopic growth, and deposition of multi-component droplets in a simplified airway with realistic thermal boundary conditions. <b>2021</b> , 151, 105626	5
564	Experimental and numerical analysis of a demister with vortex generators. <b>2021</b> , 33, 83-95	0
563	A semi-empirical model for CO <sub>2</sub> erosion-corrosion of carbon steel pipelines in wet gas-solid flow. <b>2021</b> , 196, 107992	5
562	Numerical simulation and experimental tests of the filter with a rotating cylindrical perforated filter element. <b>2021</b> , 235, 2180-2191	3
561	CFD simulation design and optimization of a novel zigzag wave-plate mist eliminator with perforated plate. <b>2021</b> , 184, 116212	4
560	Experimental and numerical investigations on heterogeneous condensation of insoluble particles in the fluid catalytic cracking unit. <b>2021</b> , 381, 313-323	2
559	Effects of geometrical parameters on the capture efficiency of nanoparticles under the influence of the magnetic field in a stenosed vessel. <b>2021</b> , 380, 39-46	5

558	Novel designs for square cyclone using rounded corner and double-inverted cones shapes. <b>2021</b> , 380, 67-79	5
557	Transarterial drug delivery for liver cancer: numerical simulations and experimental validation of particle distribution in patient-specific livers. <b>2021</b> , 18, 409-422	4
556	Influence of non-uniform asymmetric heating on conjugate heat transfer in a rectangular minichannel using nanofluid by two-phase Eulerian-Lagrangian method. <b>2021</b> , 381, 164-180	6
555	Wet flue gas desulfurization performance of 330 MW coal-fired power unit based on computational fluid dynamics region identification of flow pattern and transfer process. <b>2021</b> , 29, 13-26	8
554	A novel CFD-DEM upscaling method for prediction of scour under live-bed conditions. <b>2021</b> , 220, 108442	4
553	Solid-liquid two-phase flow and erosion calculation of butterfly valves at small opening based on DEM method. <b>2021</b> , 73, 414-421	1
552	Simulation and application of tapping online refining in EAF steelmaking process. <b>2021</b> , 48, 628-636	1
551	Regional deposition of the allergens and micro-aerosols in the healthy human nasal airways. <b>2021</b> , 152, 105700	5
550	Numerical Investigation of the Aerodynamic Droplet Breakup at Mach Numbers Greater Than 1. <b>2021</b> , 147, 04020077	4
549	Experimental and numerical investigation of mechanical and erosion behavior of barium sulphate filled glass fiber reinforced polymer composites. <b>2021</b> , 42, 753-773	6
548	Fractionating of finest particles using cross-flow separation with superimposed electric field. <b>2021</b> , 257, 117820	2
547	Fuel-specific devolatilization parameters for detailed comparison of pulverized biomass fuels. <b>2021</b> , 286, 119309	3
546	Influence of holdup on gas and particle flow patterns in a spiral jet mill. <b>2021</b> , 377, 233-243	9
545	Atomization Mechanism of Internally Mixing Twin-Fluid Y-Jet Atomizer. <b>2021</b> , 147, 04020075	3
544	Effect of powder injection rate on the flow field of coherent lime powder injection (C-LPI) for EAF steelmaking. <b>2021</b> , 48, 534-546	2
543	Effect of laminar airflow unit diffuser size on pathogen particle distribution in an operating room. <b>2021</b> , 27, 402-413	1
542	Erosion of oval elbows in turbulent particulate natural gas flow with different aspect ratio of cross-sections. <b>2021</b> , 39, 150-167	2
541	Numerical Simulation of Particle Motions in Cascade Impactor and Human Respiratory System. <b>2021</b> , 333, 02013	

540	Computational Studies of Aerosolized Drug Deposition in Human Respiratory Tract. <b>2021</b> , 11-23	3
539	Unsteady Disposable Flow Tracking Using Discrete Phase Model. 1-13	
538	Modeling solid particle transport and air flow around obstacle. <b>2021</b> ,	0
537	Experimental and Numerical Evaluation of the Effect of Particle Size on Slurry Erosion Prediction. <b>2021</b> , 143,	4
536	Gas Flow, Particle Acceleration and Heat Transfer in Cold Spray Additive Manufacturing. <b>2021</b> , 9-52	
535	Rapid Droplet Coalescence Produced by Thunder. <b>2021</b> , 78, 17-28	2
534	SARS COV-2 virus-laden droplets coughed from deep lungs: Numerical quantification in a single-path whole respiratory tract geometry. <b>2021</b> , 33, 023306	14
533	Anisotropic turbulent flow model effect on the prediction of the erosion rate of the micro particulate flow in the elbow. 1-20	1
532	Numerical Analysis of the Particle Dynamics in a Supersonic Gas Stream with a Modified Point-Particle Euler-Lagrange Approach. <b>2021</b> , 52, 1034-1051	2
531	The Feasibility of an Euler-Lagrange Approach for the Modeling of Wet Steam. <b>2021</b> , 143,	6
530	Numerical Investigation on Gas Accumulation and Gas Migration in Enlarged Boreholes of Horizontal Gas Wells. <b>2021</b> , 1813, 012013	
529	Experimental and Numerical Analysis of the Powder Flow in a Multi-Channel Coaxial Nozzle of a Direct Metal Deposition System. <b>2021</b> , 143,	3
528	Cyclonic Separation Technology for Sand Management [Challenges and New Development. <b>2021</b> ,	0
527	Computer simulation of the SARS-CoV-2 contamination risk in a large dental clinic. <b>2021</b> , 33, 033328	20
526	Particle breakability assessment using an Aero S disperser. <b>2021</b> , 597, 120365	2
525	CFD and statistical approach to optimize the average air velocity and air volume fraction in an inert-particles spouted-bed reactor (IPSBR) system. <b>2021</b> , 7, e06369	5
524	Numerical Study on Powder Stream Characteristics of Coaxial Laser Metal Deposition Nozzle. <b>2021</b> , 11, 282	5
523	Inhalation dosimetry of nasally inhaled respiratory aerosols in the human respiratory tract with locally remodeled conducting lungs. <b>2021</b> , 33, 143-159	3

522	Variations of cooling performance on turbine vanes due to incipient particle deposition. 095765092110105	0
521	Transient Large Eddy Simulation of Slurry Erosion in Submerged Impinging Jets. <b>2021</b> , 143,	3
520	A Consistent and Implicit Rhie-Chow Interpolation for Drag Forces in Coupled Multiphase Solvers. <b>2021</b> , 6, 7	0
519	Evolution of the Numerical Model Describing the Distribution of Non-Metallic Inclusions in the Tundish. <b>2021</b> , 14,	1
518	Wear Characteristics of Dense Fine Particles Solid-Liquid Two-Phase Fluid Centrifugal Pump with Open Impellers. <b>2021</b> , 2021, 1-13	1
517	CFD investigation of pelletization effect on co-firing coal with wheat straw.	1
516	Numerical analysis of the micro-particles distribution inside an underground subway system due to train piston effect. <b>2021</b> , 211, 104533	5
515	Optimization of cleaning technique for mitigating particulate contamination upon final optics assemblies. <b>2021</b> , 231, 166365	3
514	Performance improvement of a horizontal zigzag type mist eliminator using slit plates. <b>2021</b> , 35, 2229-2236	
513	Local dispersion characteristics of dust in large open-air piles under the action of one-way wind. <b>2021</b> , 28, 47182-47195	0
512	Cement erosion process with recyclable sand particle water-jet impacts. <b>2021</b> , 292, 126006	3
511	Design optimization of guide vane for mitigating elbow erosion using computational fluid dynamics and response surface methodology. <b>2021</b> , 63, 83-83	4
510	CFD modeling of particle settling in drilling fluids: Impact of fluid rheology and particle characteristics. <b>2021</b> , 199, 108326	8
509	Design and Modelling of an Amphibious Spherical Robot Attached with Assistant Fins. <b>2021</b> , 11, 3739	2
508	Numerical simulation and performance evaluation of cyclone separator with built-in material for sand removal in gas well. <b>2021</b> , 16, e2648	2
507	Assessment of Nusselt Number Correlations for Liquid Metals Applied in Alloying Processes in Turbulent Flows. <b>2021</b> , 52, 1789-1804	
506	Computational and Experimental Analysis of Axial Flow Cyclone Used for Intake Air Filtration in Internal Combustion Engines. <b>2021</b> , 14, 2285	7
505	Numerical study of dry snow accretion characteristics on the bogie surfaces of a high-speed train based on the snow deposition model. 1-19	0

504	Investigation of the heat transfer and flow characteristics in wavy fins of compact heat exchanger in a sand-dust environment. <b>2021</b> , 168, 120879	1
503	Aerodynamic characteristics of a high-speed train exposed to heavy rain environment based on non-spherical raindrop. <b>2021</b> , 211, 104532	3
502	Influences of puff protocols and upper airway anatomy on cannabis pharmacokinetics: A CFPD-PK study. <b>2021</b> , 132, 104333	4
501	The effect of particle size on flow in a continuous oscillatory baffled reactor using CFD.	0
500	A numerical investigation on heterogeneous combustion of aluminum nanoparticle clouds. <b>2021</b> , 112, 106604	11
499	Numerical Investigation of Hematite Flash Reduction-biomass Steam Gasification Coupling Process. <b>2021</b> , 61, 1450-1458	1
498	Analysis of solid particle erosion in direct impact tests using the discrete element method. <b>2021</b> , 383, 256-269	3
497	Numerical simulation and experimental investigation on powder transport of a new-type annular coaxial nozzle. <b>2021</b> , 115, 2353-2364	0
496	Numerical simulation on the three kinds of water droplet diameter treatments in rain zone of wet cooling towers. <b>2021</b> , 170, 121054	3
495	Numerical and experimental research on the erosion of solid-liquid two-phase flow in transport butterfly valve based on DEM method. <b>2021</b> , 73, 606-613	1
494	Numerical study of flow and thermal characteristics in titanium alloy milling with hybrid nanofluid minimum quantity lubrication and cryogenic nitrogen cooling. <b>2021</b> , 170, 121005	2
493	The effects of laser irradiation on an aluminium powder stream in Directed Energy Deposition. <b>2021</b> , 41, 101968	0
492	Performance prediction of erosion in elbows for slurry flow under high internal pressure. <b>2021</b> , 157, 106879	4
491	Experimental study of a string-based counterflow wet electrostatic precipitator for collection of fine and ultrafine particles. <b>2021</b> , 71, 851-865	3
490	Experimental and numerical investigation in the series arrangement square cyclone separator. <b>2021</b> , 383, 93-103	4
489	Deciphering Exhaled Aerosol Fingerprints for Early Diagnosis and Personalized Therapeutics of Obstructive Respiratory Diseases in Small Airways. <b>2021</b> , 2, 94-117	
488	Leveraging statistical shape modeling in computational respiratory dynamics: Nanomedicine delivery in remodeled airways. <b>2021</b> , 204, 106079	3
487	Multiscale modeling of tip-leakage cavitating flows by a combined volume of fluid and discrete bubble model. <b>2021</b> , 33, 062104	12



486	A New Rotor-Type Dynamic Classifier: Structural Optimization and Industrial Applications. <b>2021</b> , 9, 1033	3
485	Numerical prediction of the ignition probability of a lean spray burner. <b>2021</b> , 13, 96-109	1
484	Characteristics of settling of dilute suspension of particles with different density at high Reynolds numbers. <b>2021</b> , 56, 62-74	0
483	Evaluation of structural effect of BWR spacers on droplet flow dynamics. <b>2021</b> , 377, 111155	
482	Investigation of turbulent flow structures in a wall jet can combustor: application of large eddy simulation. <b>2021</b> , 136, 1	0
481	Numerical investigation of expandable graphite suppression on metal-based fire. 1	3
480	Droplet fate, efficacy of face mask, and transmission of virus-laden droplets inside a conference room. <b>2021</b> , 33, 065108	14
479	A microchannel flow with presence of micro-post arrays on channel top wall. <b>2021</b> , 164, 106883	1
478	Simulations of Ash and Sand Impact on a Hypersonic Forebody. <b>2021</b> , 59, 1914-1923	0
477	Numerical Simulation of Particle Dynamics in a Spiral Jet Mill via Coupled CFD-DEM. <b>2021</b> , 13,	4
476	Modeling and analysis of CO <sub>2</sub> capture by aqueous ammonia + piperazine blended solution in a spray column. <b>2021</b> , 267, 118655	1
475	The Application of Combined Effect of Magnetic and Gravity Forces to Improve the Separation Efficiency of Mineral Particles with Different Magnetic Susceptibilities (Glass Scale). <b>2021</b> , 7, 1060-1073	1
474	Macroscale simulation of the filtration process of porous media based on statistical capturing models. <b>2021</b> , 266, 118577	1
473	Simulation of particulate matter movement characteristics in multiphase flow field system. <b>2021</b> , 35, 3475-3481	
472	Very Large Eddy Simulation of Cavitation from Inception to Sheet/Cloud Regimes by A Multiscale Model. <b>2021</b> , 35, 361-371	4
471	A low-cost solution for the collection of fine particles in square cyclone: A numerical analysis. <b>2021</b> , 387, 454-465	4
470	Particle deposition patterns on high-pressure turbine vanes with aggressive inlet swirl. <b>2021</b> , 35, 75-75	2
469	Modelling the Condensation Phenomena within the Radial Turbine of a Fuel Cell Turbocharger. <b>2021</b> , 6, 23	3

468	Rapid velocity reduction and drift potential assessment of off-nozzle pesticidedroplets. <b>2021,</b>	
467	Analysis and validation of a CFD-DPM method for simulating dust suppression sprays. 1-12	2
466	Effect of Drag Laws and Turbulence Models on CFD Modeling of the Bubble Behavior and Fluid Flow in RH Reactor. <b>2021,</b> 73, 2660-2671	0
465	Effect of Gas-Liquid Contact Intensification on Heat and Mass Transfer in Deflector and Rod Bank Desulfurization Spray Tower. <b>2021,</b> 9, 1269	0
464	Numerical simulation of the particle-wall collision strength and swirling effect on the performance of the axial flow cyclone separator. <b>2021,</b>	0
463	Numerical assessment of LES subgrid-scale turbulence models for expandable particles in fire suppression. 1	1
462	Study on the slag-metal interfacial behavior under the impact of bubbles in different sizes. <b>2021,</b> 387, 125-135	4
461	Computational Fluid Dynamics Analysis of Particle Deposition Induced by a Showerhead Electrode in a Capacitively Coupled Plasma Reactor. <b>2021,</b> 11, 1004	0
460	Aerosol deposition and airflow dynamics in healthy and asthmatic human airways during inhalation. <b>2021,</b> 416, 125856	3
459	Numerical prediction of solid particle erosion under upward multiphase annular flow in vertical pipe bends. <b>2021,</b> 192, 104427	4
458	Study on pulverized coal gasification using waste heat from high temperature blast furnace slag particles. <b>2021,</b> 46, 26848-26860	2
457	CFD study on the effect of gas temperature on the separation efficiency of square cyclones. <b>2021,</b> 43, 1	0
456	A review of wire arc additive manufacturing: development, principles, process physics, implementation and current status. <b>2021,</b> 54, 473001	10
455	A Numerical Study on Particle-Induced Erosion to Laval Nozzle in Powder-Oxygen Injection Using BOF Lance. <b>2021,</b> 73, 2946-2952	1
454	Computational evaluation of drug delivery in human respiratory tract under realistic inhalation. <b>2021,</b> 33, 083311	5
453	Influence of Interphase Forces on Onset of Fully Developed Subcooled Flow Boiling at High Pressure. <b>2021,</b> 175, 121337	1
452	Solute enrichment induced dendritic fragmentation in directional solidification of nickel-based superalloys. <b>2021,</b> 215, 117043	6
451	COMPUTATIONAL ANALYSIS OF PULVERIZED COAL CO-FIRING WITH BIOMASS IN 150MWe UNIT OF TUNCBILEK THERMAL POWER PLANT. 37-50	

450	Simulations of Melting in Fluid-filled Packed Media due to Forced Convection with Higher Temperature. <b>2021</b> , 175, 121358	2
449	Numerical research on airflow-dust migration behavior and optimal forced air duct installation position in a subway tunnel during drilling operation. <b>2021</b> , 388, 176-191	5
448	On the effect of biogas bubbles in anaerobic digester mixing. <b>2021</b> , 173, 108088	2
447	Flow Structure and Particle Deposition Analyses for Optimization of a Pressurized Metered Dose Inhaler (pMDI) in a Model of Tracheobronchial Airway. <b>2021</b> , 164, 105911	10
446	An experimental and numerical study of slurry erosion behavior in a horizontal elbow and elbows in series. <b>2021</b> , 105779	5
445	Numerical and experimental analysis on spray characteristics of biodiesel (waste cooking oil) using pressure swirl atomizer. e13761	1
444	Large eddy simulation of tip-leakage cavitating flow using a multiscale cavitation model and investigation on model parameters. <b>2021</b> , 33, 092104	3
443	Research on the GasSolid Jet Flow and Erosion Wear Characteristics in Bottom Injecting Lance Used for OxygenTime Powder Bottom Blowing Converter. 1	1
442	Mass transfer process intensification for SO <sub>2</sub> absorption in a commercial-scale wet flue gas desulfurization scrubber. <b>2021</b> , 166, 108478	4
441	Study on contaminant distribution in a mobile BSL-4 laboratory based on multi-region directional airflow. <b>2021</b> , 1	0
440	A novel predictive model of drag coefficient and settling velocity of drill cuttings in non-Newtonian drilling fluids. <b>2021</b> , 18, 1729-1729	2
439	Simulation of vertical dispersion of oil droplets by Langmuir supercells through a Reynolds-averaged Eulerian formulation combined with Lagrangian particle tracking. <b>2021</b> , 235, 109043	0
438	Numerical study of flow field in new design cyclones with different wall temperature profiles: Comparison with conventional ones. <b>2021</b> , 32, 3268-3277	2
437	Study on spray dust removal law for cleaner production at fully mechanized mining face with large mining height. <b>2021</b> , 389, 48-62	7
436	Methodology for risk assessment of COVID-19 pandemic propagation. <b>2021</b> , 72, 104584	1
435	Effect of Spray-Wall Interaction on Thermoacoustic Instability Prediction by Flame Transfer Function and the Convective Time Delay Method. <b>2021</b> , 143,	
434	Numerical simulation of droplets re-entrainment in baffle demister. 1-9	0
433	Study on Reducing Elbow Erosion with Swirling Flow. <b>2021</b> , 630, 127537	0

432	Aging effects on airflow distribution and micron-particle transport and deposition in a human lung using CFD-DPM approach. <b>2021</b> , 32, 3506-3516	7
431	Numerical study on fine dust pollution characteristics under various ventilation time in metro tunnel after blasting. <b>2021</b> , 204, 108111	4
430	Dual-beam laser-matter interaction at overlap region during multi-laser powder bed fusion manufacturing. <b>2021</b> , 46, 102178	2
429	Two-phase free jet model of an atmospheric entrained flow gasifier. <b>2021</b> , 304, 121392	1
428	Effects of the inlet duct length on the flow field and performance of a cyclone separator with a contracted inlet duct. <b>2021</b> , 393, 12-22	4
427	A hybrid in vitro in silico framework for albuterol delivery through an adult ventilator circuit to a patient-specific lung airway model. <b>2021</b> , 158, 105844	3
426	Particle inhalability of a standing mannequin with large airways in a ventilated room. <b>2021</b> , 138, 104858	3
425	Sedimentation effects on particle position and inertial deposition in 90° circular bends. <b>2021</b> , 393, 722-733	0
424	A novel approach for evaluating the effect of external electric field on charged particles based on the Lagrangian particle tracking method. <b>2021</b> , 394, 92-102	0
423	Dispersion of virus-laden droplets in ventilated rooms: Effect of homemade facemasks. <b>2021</b> , 44, 102933	1
422	Effect of grinding nozzles pressure on particle and fluid flow patterns in a spiral jet mill. <b>2021</b> , 394, 439-447	1
421	Experimental investigation of particle transport and distribution in a vertical nonplanar fracture. <b>2021</b> , 394, 935-950	1
420	Inhalation and deposition of spherical and pollen particles after middle turbinate resection in a human nasal cavity. <b>2021</b> , 294, 103769	4
419	Experimental and numerical investigations on transient multiscale bubble behaviors in CuSO <sub>4</sub> aqueous solution electrolysis cell. <b>2022</b> , 428, 131182	1
418	Numerical study of gas-solid two-phase flow and erosion in a cavity with a slope. <b>2022</b> , 62, 25-35	0
417	Effect of plaque geometry on targeted delivery of stem cells containing magnetic particles in a rigid and elastic curved artery with stenosis. <b>2022</b> , 542, 168580	0
416	Novel Flat-Plate Photobioreactor with Inclined Baffles and Internal Structure Optimization to Improve Light Regime Performance. <b>2021</b> , 9, 1550-1558	7
415	Wake of transversely rotating and translating sphere in quiescent water at low Reynolds number. <b>2021</b> , 232, 949-966	2

414	Numerical Investigation of Erosive Wear of a Centrifugal Slurry Pump Due to Solid-Liquid Flow. <b>2021</b> , 143,	10
413	Analysis of hold-up and grinding pressure in a spiral jet mill using CFD-DEM. <b>2021</b> , 249, 12004	
412	Prediction of nasal spray drug absorption influenced by mucociliary clearance. <b>2021</b> , 16, e0246007	13
411	Numerical Investigation of Single-Strand Slab Casting Tundish Flow with Heat Transfer and Inclusion Transport. <b>2021</b> , 74, 369-379	4
410	Turbulent Dispersion and Deposition of Micron-Sized Particles in a Turbulent Pipe Flow at High Temperatures. <b>2021</b> ,	2
409	Performance improvement of a cyclone separator using different shapes of vortex finder under high-temperature operating condition. <b>2021</b> , 43, 1	1
408	Numerical and experimental study on the ultrasonic-assisted soft abrasive flow polishing characteristics. <b>2021</b> , 112, 3215-3233	4
407	Active prevention of snow accumulation on cameras of autonomous vehicles. <b>2021</b> , 3, 1	3
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