Cordelia Selomulya

List of Publications by Year
in descending order

268	13,053	28274	31849
papers	citations	55 h-index	101 g-index

270	270	270	17898
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enterococcus hirae and Barnesiella intestinihominis Facilitate Cyclophosphamide-Induced Therapeutic Immunomodulatory Effects. Immunity, 2016, 45, 931-943.	14.3	645
2	Size-Dependent Immunogenicity: Therapeutic and Protective Properties of Nano-Vaccines against Tumors. Journal of Immunology, 2004, 173, 3148-3154.	0.8	603
3	Strategies for developing transition metal phosphides as heterogeneous electrocatalysts for water splitting. Nano Today, 2017, 15, 26-55.	11.9	560
4	Pathogen recognition and development of particulate vaccines: Does size matter?. Methods, 2006, 40, 1-9.	3.8	509
5	Two-dimensional single-cell patterning with one cell per well driven by surface acoustic waves. Nature Communications, 2015, 6, 8686.	12.8	430
6	Sex and Gender Differences in the Outcomes of Vaccination over the Life Course. Annual Review of Cell and Developmental Biology, 2017, 33, 577-599.	9.4	355
7	Amorphous TiO₂ Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for Highâ€Performance and Safe Lithium Storage. Advanced Materials, 2017, 29, 1700523.	21.0	342
8	Type 1 and 2 Immunity Following Vaccination Is Influenced by Nanoparticle Size:Â Formulation of a Model Vaccine for Respiratory Syncytial Virus. Molecular Pharmaceutics, 2007, 4, 73-84.	4.6	258
9	New faces of porous Prussian blue: interfacial assembly of integrated hetero-structures for sensing applications. Chemical Society Reviews, 2015, 44, 7997-8018.	38.1	240
10	Paclitaxel and Its Evolving Role in the Management of Ovarian Cancer. BioMed Research International, 2015, 2015, 1-21.	1.9	227
11	Vaccines that facilitate antigen entry into dendritic cells. Immunology and Cell Biology, 2004, 82, 506-516.	2.3	181
12	Enzymatic hydrolysis of rice dreg protein: Effects of enzyme type on the functional properties and antioxidant activities of recovered proteins. Food Chemistry, 2012, 134, 1360-1367.	8.2	180
13	Anion Etching for Accessing Rapid and Deep Self-Reconstruction of Precatalysts for Water Oxidation. Matter, 2020, 3, 2124-2137.	10.0	177
14	Evidence of Shear Rate Dependence on Restructuring and Breakup of Latex Aggregates. Journal of Colloid and Interface Science, 2001, 236, 67-77.	9.4	161
15	Microencapsulation of active ingredients in functional foods: From research stage to commercial food products. Trends in Food Science and Technology, 2018, 78, 167-179.	15.1	161
16	Incorporation of well-dispersed sub-5-nm graphitic pencil nanodots into ordered mesoporous frameworks. Nature Chemistry, 2016, 8, 171-178.	13.6	153
17	On enhancing the solubility of curcumin by microencapsulation in whey protein isolate via spray drying. Journal of Food Engineering, 2016, 169, 189-195.	5.2	138
18	Comprehensive Structural and Molecular Comparison of Spike Proteins of SARS-CoV-2, SARS-CoV and MERS-CoV, and Their Interactions with ACE2. Cells, 2020, 9, 2638.	4.1	138

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19	Thermally Reduced Nanoporous Graphene Oxide Membrane for Desalination. Environmental Science & Technology, 2019, 53, 8314-8323.	10.0	136
20	Functionalization Strategies for Protease Immobilization on Magnetic Nanoparticles. Advanced Functional Materials, 2010, 20, 1767-1777.	14.9	133
21	Dairy and plant proteins as natural food emulsifiers. Trends in Food Science and Technology, 2020, 105, 261-272.	15.1	132
22	Flame-Sprayed Superparamagnetic Bare and Silica-Coated Maghemite Nanoparticles:â€‰ Synthesis, Characterization, and Protein Adsorptionâ€”Desorption. Chemistry of Materials, 2006, 18, 6403-6413.	6.7	123
23	Tumor-Induced Inflammatory Cytokines and the Emerging Diagnostic Devices for Cancer Detection and Prognosis. Frontiers in Oncology, 2021, 11, 692142.	2.8	123
24	Poly-l-lysine-coated nanoparticles: A potent delivery system to enhance DNA vaccine efficacy. Vaccine, 2007, 25, 1316-1327.	3.8	122
25	Understanding the role of restructuring in flocculation: The application of a population balance model. Chemical Engineering Science, 2003, 58, 327-338.	3.8	121
26	Direct Superassemblies of Freestanding Metalâ€“Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. Journal of the American Chemical Society, 2016, 138, 16533-16541.	13.7	120
27	Low dose cyclophosphamide: Mechanisms of T cell modulation. Cancer Treatment Reviews, 2016, 42, 3-9.	7.7	117
28	Mechanisms of Cr(VI) removal from water by various types of activated carbons. , 1999, 74, 111-122.		115
29	The immunology of malaria infection. Current Opinion in Immunology, 2000, 12, 437-441.	5.5	113
30	Effects of Spray Drying and Freeze Drying on the Properties of Protein Isolate from Rice Dreg Protein. Food and Bioprocess Technology, 2013, 6, 1759-1769.	4.7	108
31	Aggregation Mechanisms of Latex of Different Particle Sizes in a Controlled Shear Environment. Langmuir, 2002, 18, 1974-1984.	3.5	103
32	Insight into microstructural and magnetic properties of flame-made Î³-Fe2O3 nanoparticles. Journal of Materials Chemistry, 2007, 17, 4876.	6.7	99
33	On Measurement of Food Powder Reconstitution Properties. Drying Technology, 2007, 26, 3-14.	3.1	95
34	Superparamagnetic Nanoparticles for Effective Delivery of Malaria DNA Vaccine. Langmuir, 2011, 27, 3703-3712.	3.5	94
35	Functionality of milk protein concentrate: Effect of spray drying temperature. Biochemical Engineering Journal, 2012, 62, 101-105.	3.6	94
36	Poly(amino acids) as a potent self-adjuvanting delivery system for peptide-based nanovaccines. Science Advances, 2020, 6, eaax2285.	10.3	85

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37	The influence of La-doping on the activity and stability of Cu/ZnO catalyst for the low-temperature waterâ€“gas shift reaction. Journal of Catalysis, 2010, 273, 73-81.	6.2	84
38	Differential Uptake of Nanoparticles and Microparticles by Pulmonary APC Subsets Induces Discrete Immunological Imprints. Journal of Immunology, 2013, 191, 5278-5290.	0.8	83
39	Micro-encapsulation and stabilization of DHA containing fish oil in protein-based emulsion through mono-disperse droplet spray dryer. Journal of Food Engineering, 2016, 175, 74-84.	5.2	82
40	Immunotherapeutic Interleukin-6 or Interleukin-6 Receptor Blockade in Cancer: Challenges and Opportunities. Current Medicinal Chemistry, 2018, 25, 4785-4806.	2.4	80
41	A General â€œSurfaceâ€Lockingâ€•Approach toward Fast Assembly and Processing of Largeâ€Sized, Ordered, Mesoporous Carbon Microspheres. Angewandte Chemie - International Edition, 2013, 52, 13764-13768.	13.8	79
42	Comparison of functional and structural properties of native and industrial process-modified proteins from long-grain indica rice. Journal of Cereal Science, 2012, 56, 568-575.	3.7	73
43	Unidirectional and Selective Proton Transport in Artificial Heterostructured Nanochannels with Nanoâ€toâ€Subnano Confined Water Clusters. Advanced Materials, 2020, 32, e2001777.	21.0	72
44	On quantifying the dissolution behaviour of milk protein concentrate. Food Hydrocolloids, 2011, 25, 503-510.	10.7	71
45	Antioxidant-Based Medicinal Properties of Stingless Bee Products: Recent Progress and Future Directions. Biomolecules, 2020, 10, 923.	4.0	69
46	Delivery of DNA vaccines: an overview on the use of biodegradable polymeric and magnetic nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 205-218.	6.1	67
47	Synthesis and electromagnetic interference shielding properties of iron oxide/polypyrrole nanocomposites. Polymer Engineering and Science, 2011, 51, 247-253.	3.1	67
48	Mild annealing reduced graphene oxide membrane for nanofiltration. Journal of Membrane Science, 2020, 601, 117900.	8.2	66
49	Systemic immune responses in sheep, induced by a novel nano-bead adjuvant. Vaccine, 2006, 24, 1124-1131.	3.8	64
50	Assembly of uniform photoluminescent microcomposites using a novel microâ€fluidicâ€jetâ€sprayâ€dryer. AICHE Journal, 2011, 57, 2726-2737.	3.6	64
51	Oriented Mesoporous Nanopyramids as Versatile Plasmon-Enhanced Interfaces. Journal of the American Chemical Society, 2014, 136, 6822-6825.	13.7	62
52	Promising particle-based vaccines in cancer therapy. Expert Review of Vaccines, 2008, 7, 1103-1119.	4.4	61
53	Facile Spray-Drying Assembly of Uniform Microencapsulates with Tunable Coreâ€“Shell Structures and Controlled Release Properties. Langmuir, 2011, 27, 12910-12915.	3.5	60
54	Amino Acid Functionalized Inorganic Nanoparticles as Cutting-Edge Therapeutic and Diagnostic Agents. Bioconjugate Chemistry, 2018, 29, 657-671.	3.6	60

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55	The Key Role of TNF-TNFR2 Interactions in the Modulation of Allergic Inflammation: A Review. Frontiers in Immunology, 2018, 9, 2572.	4.8	60
56	Characteristics of Ni/YSZ ceramic anode prepared using carbon microspheres as a pore former. International Journal of Hydrogen Energy, 2012, 37, 15311-15319.	7.1	58
57	On the spray drying of uniform functional microparticles. Particuology, 2015, 22, 1-12.	3.6	58
58	Enhancing the stability of protein-polysaccharides emulsions via Maillard reaction for better oil encapsulation in spray-dried powders by pH adjustment. Food Hydrocolloids, 2017, 69, 121-131.	10.7	57
59	On Different Approaches to Estimate the Mass Fractal Dimension of Coal Aggregates. Particle and Particle Systems Characterization, 2005, 22, 299-309.	2.3	55
60	Towards spray drying of high solids dairy liquid: Effects of feed solid content on particle structure and functionality. Journal of Food Engineering, 2014, 123, 130-135.	5.2	55
61	Indirect Carbonation of Victorian Brown Coal Fly Ash for CO₂ Sequestration: Multiple-Cycle Leaching-Carbonation and Magnesium Leaching Kinetic Modeling. Energy & Fuels, 2014, 28, 6481-6493.	5.1	55
62	Improvement of rheological and functional properties of milk protein concentrate by hydrodynamic cavitation. Journal of Food Engineering, 2018, 221, 106-113.	5.2	55
63	Interleukin 6 Present in Inflammatory Ascites from Advanced Epithelial Ovarian Cancer Patients Promotes Tumor Necrosis Factor Receptor 2-Expressing Regulatory T Cells. Frontiers in Immunology, 2017, 8, 1482.	4.8	53
64	Spray drying strategy for encapsulation of bioactive peptide powders for food applications. Advanced Powder Technology, 2020, 31, 409-415.	4.1	53
65	Mannan-mediated gene delivery for cancer immunotherapy. Immunology, 2007, 120, 325-335.	4.4	52
66	A new empirical viscosity model for ceramic suspensions. Chemical Engineering Science, 2011, 66, 2798-2806.	3.8	52
67	Inert 50-nm Polystyrene Nanoparticles That Modify Pulmonary Dendritic Cell Function and Inhibit Allergic Airway Inflammation. Journal of Immunology, 2012, 188, 1431-1441.	0.8	51
68	Pyrite-type ruthenium disulfide with tunable disorder and defects enables ultra-efficient overall water splitting. Journal of Materials Chemistry A, 2019, 7, 14222-14232.	10.3	50
69	Unique hybrid Ni₂P/MoO₂@MoS₂ nanomaterials as bifunctional non-noble-metal electro-catalysts for water splitting. Nanoscale, 2017, 9, 17349-17356.	5.6	49
70	A review on technological parameters and recent advances in the fortification of processed cheese. Trends in Food Science and Technology, 2018, 81, 193-202.	15.1	49
71	Improvements of plant protein functionalities by Maillard conjugation and Maillard reaction products. Critical Reviews in Food Science and Nutrition, 2022, 62, 7036-7061.	10.3	47
72	Enhancing the oxidative stability of food emulsions with rice dreg protein hydrolysate. Food Research International, 2012, 48, 876-884.	6.2	46

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73	Scalable synthesis of wrinkled mesoporous titania microspheres with uniform large micron sizes for efficient removal of Cr(<scp>vi</scp>). Journal of Materials Chemistry A, 2018, 6, 3954-3966.	10.3	45
74	Dendritic Cell-Mediated Phagocytosis but Not Immune Activation Is Enhanced by Plasmin. PLoS ONE, 2015, 10, e0131216.	2.5	44
75	Methods of effective conjugation of antigens to nanoparticles as non-inflammatory vaccine carriers. Methods, 2013, 60, 232-241.	3.8	42
76	Shrinkage behaviour of skim milk droplets during air drying. Journal of Food Engineering, 2013, 116, 37-44.	5.2	42
77	A single step assembly of uniform microparticles for controlled release applications. Soft Matter, 2011, 7, 3323.	2.7	41
78	A monodisperse spray dryer for milk powder: Modelling the formation of insoluble material. Chemical Engineering Science, 2012, 71, 75-84.	3.8	41
79	The effects of engineered nanoparticles on pulmonary immune homeostasis. Drug Metabolism Reviews, 2014, 46, 176-190.	3.6	41
80	Sulfonated Sub-1-nm Metalâ€“Organic Framework Channels with Ultrahigh Proton Selectivity. Journal of the American Chemical Society, 2020, 142, 9827-9833.	13.7	41
81	Design of magnetic polyplexes taken up efficiently by dendritic cell for enhanced DNA vaccine delivery. Gene Therapy, 2014, 21, 212-218.	4.5	40
82	The impact of atomization on the surface composition of spray-dried milk droplets. Colloids and Surfaces B: Biointerfaces, 2016, 140, 460-471.	5.0	40
83	Uniform Chitosan Microparticles Prepared by a Novel Spray-Drying Technique. International Journal of Chemical Engineering, 2011, 2011, 1-7.	2.4	39
84	The effect of deamidation on the structural, functional, and rheological properties of glutelin prepared from Akebia trifoliata var. australis seed. Food Chemistry, 2015, 178, 96-105.	8.2	39
85	Keratin-14 (KRT14) Positive Leader Cells Mediate Mesothelial Clearance and Invasion by Ovarian Cancer Cells. Cancers, 2019, 11, 1228.	3.7	39
86	Minimizing Non-selective Nanowrinkles of Reduced Graphene Oxide Laminar Membranes for Enhanced NaCl Rejection. Environmental Science and Technology Letters, 2020, 7, 273-279.	8.7	39
87	The mechanisms of the protective effects of reconstituted skim milk during convective droplet drying of lactic acid bacteria. Food Research International, 2015, 76, 478-488.	6.2	38
88	Evolution of Morphology and Magnetic Properties in Silica/Maghemite Nanocomposites. Journal of Physical Chemistry C, 2009, 113, 12040-12047.	3.1	37
89	Pre-operative sera interleukin-6 in the diagnosis of high-grade serous ovarian cancer. Scientific Reports, 2020, 10, 2213.	3.3	37
90	Phase reduction of coated maghemite (Î³-Fe₂O₃) nanoparticles under microwave-induced plasma heating for rapid heat treatment. Journal of Materials Chemistry, 2012, 22, 617-625.	6.7	36

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91	Formation of uniform large SBA-15 microspheres via spray drying. Journal of Materials Chemistry A, 2014, 2, 19500-19508.	10.3	36
92	Effects of Edge Functional Groups on Water Transport in Graphene Oxide Membranes. ACS Applied Materials & Interfaces, 2019, 11, 8483-8491.	8.0	36
93	Formation of monodisperse mesoporous silica microparticles via spray-drying. Journal of Colloid and Interface Science, 2014, 418, 225-233.	9.4	35
94	Mineral carbonation of Victorian brown coal fly ash using regenerative ammonium chloride â€“ Process simulation and techno-economic analysis. Applied Energy, 2016, 175, 54-68.	10.1	34
95	Drying kinetics of skim milk with 50wt.% initial solids. Journal of Food Engineering, 2012, 109, 701-711.	5.2	33
96	Bio-inspired porous antenna-like nanocube/nanowire heterostructure as ultra-sensitive cellular interfaces. NPG Asia Materials, 2014, 6, e117-e117.	7.9	33
97	Montanide, Poly I:C and nanoparticle based vaccines promote differential suppressor and effector cell expansion: a study of induction of CD8 T cells to a minimal Plasmodium berghei epitope. Frontiers in Microbiology, 2015, 6, 29.	3.5	33
98	Effect of vitamin D supplementation on inflammation and nuclear factor kappa-B activity in overweight/obese adults: a randomized placebo-controlled trial. Scientific Reports, 2017, 7, 15154.	3.3	33
99	Aggregate properties in relation to aggregation conditions under various applied shear environments. International Journal of Mineral Processing, 2004, 73, 295-307.	2.6	32
100	Particle size dependence of heating power in MgFe2O4 nanoparticles for hyperthermia therapy application. Journal of Applied Physics, 2014, 115, .	2.5	32
101	Stable cation-controlled reduced graphene oxide membranes for improved NaCl rejection. Journal of Membrane Science, 2021, 621, 118995.	8.2	32
102	N,Nâ€²-Carbonyldiimidazole-mediated functionalization of superparamagnetic nanoparticles as vaccine carrier. Colloids and Surfaces B: Biointerfaces, 2011, 83, 83-90.	5.0	31
103	Antioxidant activities of Se-SPI produced from soybean as accumulation and biotransformation reactor of natural selenium. Food Chemistry, 2014, 146, 531-537.	8.2	31
104	Sex-Differential Non-Vaccine-Specific Immunological Effects of Diphtheria-Tetanus-Pertussis and Measles Vaccination. Clinical Infectious Diseases, 2016, 63, ciw492.	5.8	31
105	One-dimensional CoS₂â€“MoS₂ nano-flakes decorated MoO₂ sub-micro-wires for synergistically enhanced hydrogen evolution. Nanoscale, 2019, 11, 3500-3505.	5.6	31
106	Branched Artificial Nanofinger Arrays by Mesoporous Interfacial Atomic Rearrangement. Journal of the American Chemical Society, 2015, 137, 4260-4266.	13.7	30
107	Lipidomic profiling reveals early-stage metabolic dysfunction in overweight or obese humans. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 335-343.	2.4	30
108	Food rheology applications of large amplitude oscillation shear (LAOS). Trends in Food Science and Technology, 2022, 127, 221-244.	15.1	30

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109	On spray drying of uniform silica-based microencapsulates for controlled release. Soft Matter, 2011, 7, 11416.	2.7	29
110	Mesoporous silica nanoparticles for glutathione-triggered long-range and stable release of hydrogen sulfide. Journal of Materials Chemistry B, 2015, 3, 4451-4457.	5.8	29
111	Physical and Oxidative Stabilities of O/W Emulsions Formed with Rice Dreg Protein Hydrolysate: Effect of Xanthan Gum Rheology. Food and Bioprocess Technology, 2016, 9, 1380-1390.	4.7	29
112	Characterization of milk protein concentrate solubility using focused beam reflectance measurement. Dairy Science and Technology, 2010, 90, 253-270.	2.2	28
113	Direct Prediction of Structure and Permeability of Flocculated Structures and Sediments Using 3D Tomographic Imaging. Chemical Engineering Research and Design, 2005, 83, 844-852.	5.6	27
114	Pyrophoricity and stability of copper and platinum based water-gas shift catalysts during oxidative shut-down/start-up operation. Chemical Engineering Science, 2010, 65, 6461-6470.	3.8	27
115	Investigating the Effect of the Mg²⁺/Ca²⁺ Molar Ratio on the Carbonate Speciation during the Mild Mineral Carbonation Process at Atmospheric Pressure. Energy & Fuels, 2015, 29, 7483-7496.	5.1	27
116	A Perspective Review on the Role of Nanomedicine in the Modulation of TNF-TNFR2 Axis in Breast Cancer Immunotherapy. Journal of Oncology, 2019, 2019, 1-13.	1.3	27
117	Therapeutic Cancer Vaccinesâ€”T Cell Responses and Epigenetic Modulation. Frontiers in Immunology, 2018, 9, 3109.	4.8	26
118	Modification of molecular conformation of spray-dried whey protein microparticles improving digestibility and release characteristics. Food Chemistry, 2019, 280, 255-261.	8.2	26
119	Complete waste recycling strategies for improving the accessibility of rice protein films. Green Chemistry, 2020, 22, 490-503.	9.0	26
120	Three-Dimensional Hierarchical Porous Nanotubes Derived from Metal-Organic Frameworks for Highly Efficient Overall Water Splitting. IScience, 2020, 23, 100761.	4.1	26
121	On the importance of droplet shrinkage in CFD-modeling of spray drying. Drying Technology, 2018, 36, 1785-1801.	3.1	25
122	Inactivation of Lactococcus lactis ssp. cremoris cells in a droplet during convective drying. Biochemical Engineering Journal, 2013, 79, 46-56.	3.6	24
123	Rice Dreg Protein as an Alternative to Soy Protein Isolate: Comparison of Nutritional Properties. International Journal of Food Properties, 2014, 17, 1791-1804.	3.0	24
124	Sex-differential heterologous (non-specific) effects of vaccines: an emerging public health issue that needs to be understood and exploited. Expert Review of Vaccines, 2017, 16, 5-13.	4.4	24
125	Development of Peptide Vaccines in Dengue. Current Pharmaceutical Design, 2018, 24, 1157-1173.	1.9	24
126	On improving bioaccessibility and targeted release of curcumin-whey protein complex microparticles in food. Food Chemistry, 2021, 346, 128900.	8.2	24

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127	Reduction of surface fat formation on spray-dried milk powders through emulsion stabilization with Î»-carrageenan. Food Hydrocolloids, 2017, 70, 163-180.	10.7	23
128	Autoantibodies against HSF1 and CCDC155 as Biomarkers of Early-Stage, High-Grade Serous Ovarian Cancer. Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 183-192.	2.5	23
129	Design of Peptide-Based Nanovaccines Targeting Leading Antigens From Gynecological Cancers to Induce HLA-A2.1 Restricted CD8+ T Cell Responses. Frontiers in Immunology, 2018, 9, 2968.	4.8	23
130	On the effect of turbulence models on CFD simulations of a counter-current spray drying process. Chemical Engineering Research and Design, 2019, 141, 592-607.	5.6	23
131	On designing stable magnetic vectors as carriers for malaria DNA vaccine. Colloids and Surfaces B: Biointerfaces, 2013, 102, 492-503.	5.0	22
132	Exploring the drying behaviour and particle formation of high solids milk protein concentrate. Journal of Food Engineering, 2014, 143, 186-194.	5.2	22
133	The Use of Synthetic Carriers in Malaria Vaccine Design. Vaccines, 2015, 3, 894-929.	4.4	22
134	Droplet drying behaviour of docosahexaenoic acid (DHA)-containing emulsion. Chemical Engineering Science, 2014, 106, 181-189.	3.8	21
135	Effects of ionic and nonionic surfactants on milk shell wettability during co-spray-drying of whole milk particles. Journal of Dairy Science, 2014, 97, 5303-5314.	3.4	21
136	The influence of the chemical surface composition on the drying process of milk droplets. Advanced Powder Technology, 2016, 27, 2324-2334.	4.1	21
137	A Synthetic Nanoparticle Based Vaccine Approach Targeting MSP4/5 Is Immunogenic and Induces Moderate Protection Against Murine Blood-Stage Malaria. Frontiers in Immunology, 2019, 10, 331.	4.8	21
138	An integrated methodology to evaluate permeability from measured microstructures. AICHE Journal, 2006, 52, 3394-3400.	3.6	20
139	Electrochemical characteristics and performance of anode-supported SOFCs fabricated using carbon microspheres as a pore-former. International Journal of Hydrogen Energy, 2012, 37, 19045-19054.	7.1	20
140	The signalling imprints of nanoparticle uptake by bone marrow derived dendritic cells. Methods, 2013, 60, 275-283.	3.8	20
141	Spray-drying water-based assembly of hierarchical and ordered mesoporous silica microparticles with enhanced pore accessibility for efficient bio-adsorption. Journal of Colloid and Interface Science, 2019, 556, 529-540.	9.4	20
142	Numerical probing of a low velocity concurrent pilot scale spray drying tower for mono-disperse particle production â€“ Unusual characteristics and possible improvements. Chemical Engineering and Processing: Process Intensification, 2011, 50, 417-427.	3.6	19
143	Extraordinary induction heating effect near the first order Curie transition. Applied Physics Letters, 2014, 105, .	3.3	19
144	Effects of composition and relative humidity on the functional and storage properties of spray dried model milk emulsions. Journal of Food Engineering, 2016, 169, 196-204.	5.2	19

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145	Carnosine Supplementation Improves Serum Resistin Concentrations in Overweight or Obese Otherwise Healthy Adults: A Pilot Randomized Trial. Nutrients, 2018, 10, 1258.	4.1	19
146	Identification of regions in a spray dryer susceptible to forced agglomeration by CFD simulations. Powder Technology, 2019, 346, 23-37.	4.2	19
147	Vitamin D supplementation increases adipokine concentrations in overweight or obese adults. European Journal of Nutrition, 2020, 59, 195-204.	3.9	19
148	Relationship between Desalination Performance of Graphene Oxide Membranes and Edge Functional Groups. ACS Applied Materials & Interfaces, 2020, 12, 4769-4776.	8.0	19
149	Particle drying and crystallization characteristics in a low velocity concurrent pilot scale spray drying tower. Powder Technology, 2012, 223, 39-45.	4.2	18
150	Design of polymeric microparticles for pH-responsive and time-sustained drug release. Biochemical Engineering Journal, 2013, 81, 177-186.	3.6	18
151	On the efficacy of malaria DNA vaccination with magnetic gene vectors. Journal of Controlled Release, 2013, 168, 10-17.	9.9	18
152	Sub-5 nm porous nanocrystals: interfacial site-directed growth on graphene for efficient biocatalysis. Chemical Science, 2015, 6, 4029-4034.	7.4	18
153	Chemical and morphological changes of weathered Victorian brown coal fly ash and its leaching characteristic upon the leaching in ammonia chloride and hydrochloric acid. Hydrometallurgy, 2015, 157, 22-32.	4.3	18
154	A soft tubular model reactor based on the bionics of a small intestine â€“ Starch hydrolysis. Chemical Engineering Research and Design, 2016, 112, 146-154.	5.6	18
155	Immunological effects among workers who handle engineered nanoparticles. Occupational and Environmental Medicine, 2017, 74, 868-876.	2.8	18
156	Densification of iron(III) sludge in neutralization. International Journal of Mineral Processing, 2005, 76, 149-162.	2.6	17
157	Magnetic Nanovectors for the Development of DNA Blood-Stage Malaria Vaccines. Nanomaterials, 2017, 7, 30.	4.1	17
158	Implantable and Biodegradable Macroporous Iron Oxide Frameworks for Efficient Regeneration and Repair of Infracted Heart. Theranostics, 2017, 7, 1966-1975.	10.0	17
159	The impact of self-sustained oscillations on particle residence time in a commercial scale spray dryer. Powder Technology, 2020, 360, 1177-1191.	4.2	17
160	Scalable Synthesis of Uniform Mesoporous Aluminosilicate Microspheres with Controllable Size and Morphology and High Hydrothermal Stability for Efficient Acid Catalysis. ACS Applied Materials & Interfaces, 2020, 12, 21922-21935.	8.0	17
161	Microfluidic spray drying as a versatile assembly route of functional particles. Chemical Engineering Science, 2011, 66, 5531-5531.	3.8	16
162	New ${m T}_{m c}$-Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. IEEE Transactions on Magnetics, 2013, 49, 3460-3463.	2.1	16

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163	Plasmodium falciparum induces Foxp3hi CD4 T cells independent of surface PfEMP1 expression via small soluble parasite components. Frontiers in Microbiology, 2014, 5, 200.	3.5	16
164	The compositional effects of high solids model emulsions on drying behaviour and particle formation processes. Journal of Food Engineering, 2015, 157, 33-40.	5.2	16
165	Tranexamic acid modulates the cellular immune profile after traumatic brain injury in mice without hyperfibrinolysis. Journal of Thrombosis and Haemostasis, 2019, 17, 2174-2187.	3.8	16
166	Non-Invasive Fluorescent Monitoring of Ovarian Cancer in an Immunocompetent Mouse Model. Cancers, 2019, 11, 32.	3.7	16
167	Synergistic Effects of Nanomedicine Targeting TNFR2 and DNA Demethylation Inhibitorâ€"An Opportunity for Cancer Treatment. Cells, 2020, 9, 33.	4.1	16
168	Anti-Cancer Effects of Carnosineâ€"A Dipeptide Molecule. Molecules, 2021, 26, 1644.	3.8	16
169	On designing particulate carriers for encapsulation and controlled release applications. Powder Technology, 2013, 236, 188-196.	4.2	15
170	Dairy Milk Particles Made with a Mono-Disperse Droplet Spray Dryer (MDDSD) Investigated for the Effect of Fat. Drying Technology, 2014, 32, 528-542.	3.1	15
171	In-situ crystallization of particles in a counter-current spray dryer. Advanced Powder Technology, 2016, 27, 2299-2307.	4.1	15
172	Polymorphism in liver-stage malaria vaccine candidate proteins: immune evasion and implications for vaccine design. Expert Review of Vaccines, 2016, 15, 389-399.	4.4	15
173	Engineered Hydrogen-Bonded Glycopolymer Capsules and Their Interactions with Antigen Presenting Cells. ACS Applied Materials & Interfaces, 2017, 9, 6444-6452.	8.0	15
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