

Sohrab Rohani

List of Publications by Year in descending order

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183
papers

7,616
citations

50276

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184
docs citations

184
times ranked

9015
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of Linde-type A zeolite (LTA) from coal fly ash by microwave-assisted synthesis method: its application as adsorbent for removal of anionic dyes. <i>International Journal of Coal Preparation and Utilization</i> , 2022, 42, 2064-2077.	2.1	21
2	Design of the spherical agglomerate size in crystallization by developing a two-step bridging mechanism and the model. <i>AIChE Journal</i> , 2022, 68, e17526.	3.6	17
3	Preparation, Stabilization, and Dissolution Enhancement of Vortioxetine Hydrobromide Metastable Polymorphs in Silica Nanopores. <i>Crystal Growth and Design</i> , 2022, 22, 191-199.	3.0	6
4	Theoretical and Structural Understanding of the Different Factors Influencing the Formation of Multicomponent Crystals of 2,4-Dichlorophenoxyacetic Acid with N-heterocyclic Compounds. <i>Crystal Growth and Design</i> , 2022, 22, 1707-1719.	3.0	5
5	Effect of Additives on Preferential Crystallization for the Chiral Resolution of Citrulline: Experimental, Statistical, and Molecular Dynamics Simulation Studies. <i>Crystal Growth and Design</i> , 2022, 22, 2392-2406.	3.0	11
6	Controlled Drug Release of Smart Magnetic Self-Assembled Micelle, Kinetics and Transport Mechanisms. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 2378-2388.	3.3	6
7	In-situ multi-phase flow imaging for particle dynamic tracking and characterization: Advances and applications. <i>Chemical Engineering Journal</i> , 2022, 438, 135554.	12.7	11
8	Multiple Mechanical Behaviors in One Crystal of 2,4-Dichlorophenoxyacetic Acid Form II: Thermomechanical Effect and Elastic Deformation. <i>Crystal Growth and Design</i> , 2022, 22, 3680-3687.	3.0	4
9	Direct Crystallization Resolution of Racemates Enhanced by Chiral Nanorods: Experimental, Statistical, and Quantum Mechanics/Molecular Dynamics Simulation Studies. <i>ACS Omega</i> , 2022, 7, 19828-19841.	3.5	6
10	Synthesis of sole gismondine-type zeolite from blast furnace slag during CO ₂ mineralization process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104652.	6.7	26
11	Desolvation of dasatinib methanolate: an improved anhydrous polymorph. <i>CrystEngComm</i> , 2021, 23, 4272-4283.	2.6	5
12	Optimization of Congo red dye adsorption from wastewater by a modified commercial zeolite catalyst using response surface modeling approach. <i>Water Science and Technology</i> , 2021, 83, 1369-1383.	2.5	38
13	Deep learning-based oriented object detection for in situ image monitoring and analysis: A process analytical technology (PAT) application for taurine crystallization. <i>Chemical Engineering Research and Design</i> , 2021, 170, 444-455.	5.6	15
14	Polymorphism control of L-Glutamic acid in a single-stage and a two-stage MSMPR crystallizer by different seeding strategies. <i>Chemical Engineering Research and Design</i> , 2021, 170, 23-33.	5.6	7
15	Insight into the Formation of Heteromolecular Hydrogen Bonds between Dasatinib and GRAS Molecules. <i>Organic Process Research and Development</i> , 2021, 25, 1579-1588.	2.7	2
16	Band gap reduction of (Mo+N) co-doped TiO ₂ nanotube arrays with a significant enhancement in visible light photo-conversion: A combination of experimental and theoretical study. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 21475-21498.	7.1	19
17	CO ₂ mineral carbonation using industrial solid wastes: A review of recent developments. <i>Chemical Engineering Journal</i> , 2021, 416, 129093.	12.7	198
18	Ultrasound-assisted solution crystallization of fotaliptin benzoate: Process intensification and crystal product optimization. <i>Ultrasonics Sonochemistry</i> , 2021, 76, 105634.	8.2	14

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19	Ultrasound-assisted theophylline polymorphic transformation: Selective polymorph nucleation, molecular mechanism and kinetics analysis. <i>Ultrasonics Sonochemistry</i> , 2021, 77, 105675.	8.2	7
20	Virtual Multicomponent Crystal Screening: Hydrogen Bonding Revisited. <i>Crystal Growth and Design</i> , 2021, 21, 5862-5872.	3.0	13
21	Cocrystals, Salts, and Salt-Solvates of olanzapine; selection of cofomers and improved solubility. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121063.	5.2	23
22	A new highly efficient and stable population array (PA) algorithm to solve multi-dimension population balance equation. <i>Chemical Engineering Science</i> , 2021, 246, 116994.	3.8	3
23	CO ₂ Mineral Sequestration and Faujasite Zeolite Synthesis by Using Blast Furnace Slag: Process Optimization and CO ₂ Net-Emission Reduction Evaluation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13963-13971.	6.7	19
24	Kinetics and thermodynamic studies of Cr(VI) adsorption using environmental friendly multifunctional zeolites synthesized from coal fly ash under mild conditions. <i>Chemical Engineering Communications</i> , 2020, 207, 808-825.	2.6	18
25	A novel PVDF/PFSA-g-GO ultrafiltration membrane with enhanced permeation and antifouling performances. <i>Separation and Purification Technology</i> , 2020, 233, 116038.	7.9	66
26	Strong Influence of Amine Grafting on MIL-101 (Cr) Metal-Organic Framework with Exceptional CO ₂ /N ₂ Selectivity. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 366-378.	3.7	31
27	Numerical investigation of heat transfer in a helically coiled tube using copper/water nano-fluid under constant heat flux and prediction of the results using perceptron and radial basis function networks. <i>Heat and Mass Transfer</i> , 2020, 56, 1051-1075.	2.1	5
28	Identifying the Polymorphic Outcome of Hypothetical Polymorphs in Batch and Continuous Crystallizers by Numerical Simulation. <i>Crystal Growth and Design</i> , 2020, 20, 7312-7319.	3.0	7
29	Solvent-free synthesis of hydroxycancrinite zeolite microspheres during the carbonation process of blast furnace slag. <i>Journal of Alloys and Compounds</i> , 2020, 847, 156456.	5.5	21
30	Effects of Temperature and Solvent Properties on the Liquid-Solid Phase Equilibrium of ¹³ C-Pyrazinamide. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3667-3678.	1.9	17
31	Particle characterization with on-line imaging and neural network image analysis. <i>Chemical Engineering Research and Design</i> , 2020, 157, 114-125.	5.6	22
32	Simultaneous Measurement of Solution Concentration and Slurry Density by Raman Spectroscopy with Artificial Neural Network. <i>Crystal Growth and Design</i> , 2020, 20, 1752-1759.	3.0	22
33	Recent advances in electrospun nanofibers for some biomedical applications. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 144, 105224.	4.0	75
34	Insights into the Roasting Kinetics and Mechanism of Blast Furnace Slag with Ammonium Sulfate for CO ₂ Mineralization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14026-14036.	3.7	18
35	Molecular Simulation Approaches for the Prediction of Unknown Crystal Structures and Solubilities of (<i>R</i>)- and (<i>S</i>)-Crizotinib in Organic Solvents. <i>Crystal Growth and Design</i> , 2019, 19, 5882-5895.	3.0	17
36	On-Chip Preparation of Amphiphilic Nanomicelles "Sodium Alginate Spheroids as a Novel Platform Against Triple-Negative Human Breast Cancer Cells: Fabrication, Study of Microfluidics Flow Hydrodynamics and Proof of Concept for Anticancer and Drug Delivery Applications. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3528-3539.	3.3	11

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37	Magnetically Guided Self-Assembled Protein Micelles for Enhanced Delivery of Dasatinib to Human Triple-Negative Breast Cancer Cells. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1713-1725.	3.3	47
38	Secondary nucleation and growth kinetics of aluminum hydroxide crystallization from potassium aluminate solution. <i>Journal of Crystal Growth</i> , 2019, 507, 232-240.	1.5	7
39	Proposing a method for combining monitored multilayered perceptron (MLP) and self-organizing map (SOM) neural networks in prediction of heat transfer parameters in a double pipe heat exchanger with nanofluid. <i>Heat and Mass Transfer</i> , 2019, 55, 2261-2276.	2.1	12
40	Ag decorated TiO_2/TiN /black titanium oxides composite for the destruction of environmental pollutant under solar irradiation. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2632-2641.	1.7	4
41	Combined synthesis of Li_4SiO_4 sorbent with high CO_2 uptake in the indirect carbonation of blast furnace slag process. <i>Chemical Engineering Journal</i> , 2019, 370, 71-80.	12.7	39
42	Control of Crystal Properties in a Mixed-Suspension Mixed-Product Removal Crystallizer: General Methods and the Effects of Secondary Nucleation. <i>Crystal Growth and Design</i> , 2019, 19, 3070-3084.	3.0	14
43	A New Mg-Al-Cu-Fe-LDH Composite to Enhance the Adsorption of Acid Red 66 Dye: Characterization, Kinetics and Isotherm Analysis. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 5245-5261.	3.0	19
44	A kinetic study of crystallization process of imatinib mesylate with polymorphic transformation phenomenon. <i>Journal of Crystal Growth</i> , 2019, 507, 146-153.	1.5	8
45	Gelation Mechanism of Erythromycin Ethylsuccinate During Crystallization. <i>Transactions of Tianjin University</i> , 2019, 25, 110-117.	6.4	4
46	Coupling of CFD and population balance modelling for a continuously seeded helical tubular crystallizer. <i>Journal of Crystal Growth</i> , 2019, 505, 19-25.	1.5	14
47	Efficient light harvesting by NiS/CdS/ZnS NPs incorporated in C, N-co-doped- TiO_2 nanotube arrays as visible-light sensitive multilayer photoanode for solar applications. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9259-9278.	7.1	34
48	Effect of Mixing on the Particle Size Distribution of Paracetamol Continuous Cooling Crystallization Products Using a Computational Fluid Dynamics Population Balance Equation Simulation. <i>Crystal Growth and Design</i> , 2018, 18, 2851-2863.	3.0	16
49	Design and mechanism of the formation of spherical KCl particles using cooling crystallization without additives. <i>Powder Technology</i> , 2018, 329, 455-462.	4.2	32
50	Effects of Additives on the Morphology of Thiamine Nitrate: The Great Difference of Two Kinds of Similar Additives. <i>Crystal Growth and Design</i> , 2018, 18, 775-785.	3.0	31
51	Hydrodeoxygenation of fast pyrolysis oil with novel activated carbon-supported NiP and CoP catalysts. <i>Chemical Engineering Science</i> , 2018, 178, 248-259.	3.8	53
52	Oiling-Out Investigation and Morphology Control of β -Alanine Based on Ternary Phase Diagrams. <i>Crystal Growth and Design</i> , 2018, 18, 818-826.	3.0	32
53	Self-assembled amphiphilic zein-lactoferrin micelles for tumor targeted co-delivery of rapamycin and wogonin to breast cancer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 128, 156-169.	4.3	124
54	Ultrasonic Irradiation and Seeding To Prevent Metastable Liquid-Liquid Phase Separation and Intensify Crystallization. <i>Crystal Growth and Design</i> , 2018, 18, 2628-2635.	3.0	27

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55	Application of zeolites in aquaculture industry: a review. <i>Reviews in Aquaculture</i> , 2018, 10, 75-95.	9.0	83
56	Self-Induced Nucleation During the Antisolvent Crystallization Process of Candesartan Cilexetil. <i>Crystal Growth and Design</i> , 2018, 18, 7655-7662.	3.0	10
57	Improved Resolution of 4-Chloromandelic Acid and the Effect of Chlorine Interactions Using (R)-(+)-Benzyl-1-Phenylethylamine as a Resolving Agent. <i>Molecules</i> , 2018, 23, 3354.	3.8	2
58	Response surface modeling of the removal of methyl orange dye from its aqueous solution using two types of zeolite synthesized from coal fly ash. <i>Materials Express</i> , 2018, 8, 234-244.	0.5	21
59	Fabrication of xanthate-modified chitosan/poly(N-isopropylacrylamide) composite hydrogel for the selective adsorption of Cu(II), Pb(II) and Ni(II) metal ions. <i>Chemical Engineering Research and Design</i> , 2018, 139, 197-210.	5.6	71
60	Optimizing Biebrich Scarlet removal from water by magnetic zeolite 13X using response surface method. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6175-6183.	6.7	18
61	Curcumin Eutectics with Enhanced Dissolution Rates: Binary Phase Diagrams, Characterization, and Dissolution Studies. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 3652-3671.	1.9	22
62	Insight into Solvent-Dependent Conformational Polymorph Selectivity: The Case of Undecanedioic Acid. <i>Crystal Growth and Design</i> , 2018, 18, 5947-5956.	3.0	33
63	N- and C-Modified TiO ₂ Nanotube Arrays: Enhanced Photoelectrochemical Properties and Effect of Nanotubes Length on Photoconversion Efficiency. <i>Nanomaterials</i> , 2018, 8, 198.	4.1	14
64	Image Analysis for In-line Measurement of Multidimensional Size, Shape, and Polymorphic Transformation of L-Glutamic Acid Using Deep Learning-Based Image Segmentation and Classification. <i>Crystal Growth and Design</i> , 2018, 18, 4275-4281.	3.0	59
65	Sodium Dodecyl Sulfate-Modified Fe ₂ O ₃ /Molecular Sieves for Removal of Rhodamine B Dyes. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-10.	1.8	16
66	Removal of CO ₂ from landfill gas with landfill leachate using absorption process. <i>International Journal of Greenhouse Gas Control</i> , 2017, 58, 159-168.	4.6	13
67	Graphitic C ₃ N ₄ based noble-metal-free photocatalyst systems: A review. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 556-588.	20.2	575
68	Crystal Population Balance Formulation and Solution Methods: A Review. <i>Crystal Growth and Design</i> , 2017, 17, 4028-4041.	3.0	68
69	The mathematical model of the conversion of a landfill operation from anaerobic to aerobic. <i>Applied Mathematical Modelling</i> , 2017, 50, 53-67.	4.2	12
70	Fe ₃ O ₄ @SiO ₂ @CS-TETA functionalized graphene oxide for the adsorption of methylene blue (MB) and Cu(II). <i>Applied Surface Science</i> , 2017, 420, 970-981.	6.1	147
71	Low-temperature methanol dehydration to dimethyl ether over various small-pore zeolites. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 247-255.	20.2	65
72	A low-cost adsorbent from coal fly ash for mercury removal from industrial wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 391-399.	6.7	90

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73	Controlled Recrystallization of Tubular Vinpocetine Crystals with Increased Aqueous Dissolution Rate and <i>In Vivo</i> Bioavailability. <i>Crystal Growth and Design</i> , 2017, 17, 5790-5800.	3.0	12
74	Co-amorphous Form of Curcumin-Folic Acid Dihydrate with Increased Dissolution Rate. <i>Crystal Growth and Design</i> , 2017, 17, 6273-6280.	3.0	45
75	Effect of microwave irradiation on crystal growth of zeolitized coal fly ash with different solid/liquid ratios. <i>Advanced Powder Technology</i> , 2017, 28, 2865-2874.	4.1	30
76	Motion-Based Multiple Object Tracking of Ultrasonic-Induced Nucleation: A Case Study of α -Glutamic Acid. <i>Crystal Growth and Design</i> , 2017, 17, 5007-5011.	3.0	6
77	Influence of Solution Composition and Temperature on the Crystal Form of Sodium Dehydroacetate. <i>Chemical Engineering and Technology</i> , 2017, 40, 1235-1241.	1.5	1
78	Solvent-Mediated Nonoriented Self-Aggregation Transformation: A Case Study of Gabapentin. <i>Crystal Growth and Design</i> , 2017, 17, 4207-4216.	3.0	13
79	A comparative study on metal organic frameworks for indoor environment application: Adsorption evaluation. <i>Chemical Engineering Journal</i> , 2017, 313, 711-723.	12.7	79
80	Mechanochemical Synthesis of CPM-5: A Green Method. <i>Chemical Engineering and Technology</i> , 2017, 40, 88-93.	1.5	14
81	Exploring co-crystallization of curcumin. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1038-C1038.	0.1	1
82	Application of Nanosize Zeolite Molecular Sieves for Medical Oxygen Concentration. <i>Nanomaterials</i> , 2017, 7, 195.	4.1	31
83	Continuous Flow Synthesis of Zeolite-A from Coal Fly Ash Utilizing Microwave Irradiation with Recycled Liquid Stream. <i>American Journal of Environmental Sciences</i> , 2017, 13, 233-244.	0.5	3
84	Formation and Transformation Behavior of Sodium Dehydroacetate Hydrates. <i>Molecules</i> , 2016, 21, 458.	3.8	4
85	Crystallization of Esomeprazole Magnesium Water/Butanol Solvate. <i>Molecules</i> , 2016, 21, 544.	3.8	10
86	High performance NiS-nanoparticles sensitized TiO ₂ nanotube arrays for water reduction. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5887-5901.	7.1	39
87	Solubility measurement and correlation of the form A of ibrutinib in organic solvents from 278.15 to 323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2016, 103, 342-348.	2.0	21
88	Synthesis of zeolite Na-P from coal fly ash by thermo-sonochemical treatment. <i>Fuel</i> , 2016, 182, 494-501.	6.4	88
89	Novel inexpensive transition metal phosphide catalysts for upgrading of pyrolysis oil via hydrodeoxygenation. <i>AIChE Journal</i> , 2016, 62, 3664-3672.	3.6	18
90	Developing a zero liquid discharge process for zeolitization of coal fly ash to synthetic NaP zeolite. <i>Fuel</i> , 2016, 171, 195-202.	6.4	41

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91	Effects of nano-structured CoMo catalysts on hydrodeoxygenation of fast pyrolysis oil in supercritical ethanol. <i>Catalysis Today</i> , 2016, 269, 182-194.	4.4	58
92	Sonochemical synthesis of zeolite NaP from clinoptilolite. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 400-408.	8.2	37
93	Effect of ultrasound energy on the zeolitization of chemical extracts from fused coal fly ash. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 47-53.	8.2	36
94	Corrosion properties of plasma electrolytic oxidation coatings on an aluminium alloy – The effect of the PEO process stage. <i>Materials Chemistry and Physics</i> , 2015, 161, 49-58.	4.0	96
95	Synthesis of zeolite NA using single mode microwave irradiation at atmospheric pressure: The effect of microwave power. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1081-1090.	1.7	23
96	Molecular salts and co-crystals of mirtazapine with promising physicochemical properties. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 110, 93-99.	2.8	20
97	Treatment of landfill waste, leachate and landfill gas: A review. <i>Frontiers of Chemical Science and Engineering</i> , 2015, 9, 15-32.	4.4	100
98	Preparation of multiple-doped TiO ₂ nanotube arrays with nitrogen, carbon and nickel with enhanced visible light photoelectrochemical activity via single-step anodization. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12239-12252.	7.1	59
99	Nanoscale Optimization and Statistical Modeling of Photoelectrochemical Water Splitting Efficiency of N-Doped TiO ₂ Nanotubes. <i>Topics in Catalysis</i> , 2015, 58, 114-122.	2.8	6
100	Cocrystals of Acyclovir with Promising Physicochemical Properties. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 98-105.	3.3	51
101	MIL-53(Fe), MIL-101, and SBA-15 porous materials: Potential platforms for drug delivery. <i>Materials Science and Engineering C</i> , 2015, 47, 172-179.	7.3	115
102	Correlation between plasma electrolytic oxidation treatment stages and coating microstructure on aluminum under unipolar pulsed DC mode. <i>Surface and Coatings Technology</i> , 2015, 269, 91-99.	4.8	74
103	Conversion of coal fly ash to zeolite utilizing microwave and ultrasound energies: A review. <i>Fuel</i> , 2015, 140, 250-266.	6.4	235
104	Crystal structure of (R)-N-benzyl-1-phenylethanaminium (R)-4-chloromandelate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1223-o1224.	0.2	0
105	Phase transformation in plasma electrolytic oxidation coatings on 6061 aluminum alloy. <i>Surface and Coatings Technology</i> , 2014, 251, 106-114.	4.8	124
106	Carbon dioxide capturing technologies: a review focusing on metal organic framework materials (MOFs). <i>Environmental Science and Pollution Research</i> , 2014, 21, 5427-5449.	5.3	171
107	Curcumin, a promising anti-cancer therapeutic: a review of its chemical properties, bioactivity and approaches to cancer cell delivery. <i>RSC Advances</i> , 2014, 4, 10815.	3.6	193
108	A comparative study using direct hydrothermal and indirect fusion methods to produce zeolites from coal fly ash utilizing single-mode microwave energy. <i>Journal of Materials Science</i> , 2014, 49, 8261-8271.	3.7	44

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109	Using Coal Fly Ash and Wastewater for Microwave Synthesis of LTA Zeolite. <i>Chemical Engineering and Technology</i> , 2014, 37, 1532-1540.	1.5	47
110	Polymorphism of Progesterone: A New Approach for the Formation of Form II and the Relative Stabilities of Form I and Form II. <i>Crystal Growth and Design</i> , 2014, 14, 4574-4582.	3.0	17
111	Investigation on polymorphic behavior of progesterone and stabilization by co-crystallization: a review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014, 14, 853-61.	2.4	2
112	Carbon dioxide adsorption in microwave-synthesized metal organic framework CPM-5: Equilibrium and kinetics study. <i>Microporous and Mesoporous Materials</i> , 2013, 175, 85-91.	4.4	64
113	Modeling and Optimal Control of Solution Mediated Polymorphic Transformation of <i>l</i> -Glutamic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 2633-2641.	3.7	21
114	Effect of duty cycle and applied current frequency on plasma electrolytic oxidation (PEO) coating growth behavior. <i>Surface and Coatings Technology</i> , 2013, 226, 100-107.	4.8	217
115	Biodiesel production using cesium modified mesoporous ordered silica as heterogeneous base catalyst. <i>Fuel</i> , 2013, 103, 719-724.	6.4	38
116	In Situ Focused Beam Reflectance Measurement (FBRM), Attenuated Total Reflectance Fourier Transform Infrared (ATR-FTIR) and Raman Characterization of the Polymorphic Transformation of Carbamazepine. <i>Pharmaceutics</i> , 2012, 4, 164-178.	4.5	10
117	A novel method to prepare superhydrophobic, UV resistance and anti-corrosion steel surface. <i>Chemical Engineering Journal</i> , 2012, 210, 182-187.	12.7	170
118	Vapour-liquid and vapour-liquid-liquid equilibrium modeling for binary, ternary, and quaternary systems of solvents. <i>Fluid Phase Equilibria</i> , 2012, 333, 97-105.	2.5	9
119	Combined Application of in Situ FBRM, ATR-FTIR, and Raman on Polymorphism Transformation Monitoring During the Cooling Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2012, , 120912161452001.	3.7	2
120	Optimal Solvent Screening for the Crystallization of Pharmaceutical Compounds from Multisolvent Systems. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13792-13802.	3.7	28
121	Rapid and efficient crystallization of MIL-53(Fe) by ultrasound and microwave irradiation. <i>Microporous and Mesoporous Materials</i> , 2012, 162, 36-43.	4.4	141
122	Solubility Prediction of Pharmaceutical and Chemical Compounds in Pure and Mixed Solvents Using Predictive Models. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 464-473.	3.7	49
123	Study on the Oiling-out and Crystallization for the Purification of Idebenone. <i>Organic Process Research and Development</i> , 2012, 16, 442-446.	2.7	38
124	Microwave Synthesis of the CPM-5 Metal Organic Framework. <i>Chemical Engineering and Technology</i> , 2012, 35, 1085-1092.	1.5	51
125	Resolution of 2-chloromandelic acid with (+)-N-benzyl-phenylethylamine: chiral discrimination mechanism. <i>Chirality</i> , 2012, 24, 349-355.	2.6	13
126	Photoelectrochemical water splitting for hydrogen generation on highly ordered TiO ₂ nanotubes fabricated by using Ti as cathode. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 103-108.	7.1	21

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127	Crystallization of an active pharmaceutical ingredient that oils out. Separation and Purification Technology, 2012, 96, 1-6.	7.9	39
128	High temperature synthesis of SAPO-34: Applying an L9 Taguchi orthogonal design to investigate the effects of experimental parameters. Powder Technology, 2012, 217, 223-230.	4.2	56
129	Resolution of sertraline with <i>(R)</i> -mandelic acid: Chiral discrimination mechanism study. Chirality, 2012, 24, 119-128.	2.6	21
130	Rapid high-temperature synthesis of SAPO-34 nanoparticles. Particuology, 2011, 9, 452-457.	3.6	38
131	Experimental analysis of lipid extraction and biodiesel production from wastewater sludge. Fuel Processing Technology, 2011, 92, 2241-2251.	7.2	61
132	Transparent nanostructured coatings with UV-shielding and superhydrophobicity properties. Nanotechnology, 2011, 22, 265708.	2.6	47
133	Modified TiO ₂ nanotube arrays (TNTAs): progressive strategies towards visible light responsive photoanode, a review. Energy and Environmental Science, 2011, 4, 1065.	30.8	265
134	Lipid extraction and biodiesel production from municipal sewage sludges: A review. Renewable and Sustainable Energy Reviews, 2011, 15, 1067-1072.	16.4	137
135	Fabrication of Titania Nanotube Arrays in Viscous Electrolytes. Journal of Nanoscience and Nanotechnology, 2010, 10, 1998-2008.	0.9	21
136	The fabrication of highly ordered and visible-light-responsive Fe ²⁺ /N-codoped TiO ₂ nanotubes. Nanotechnology, 2010, 21, 055706.	2.6	29
137	A novel combined manufacturing technique for rapid production of IRMOF-1 using ultrasound and microwave energies. Chemical Engineering Journal, 2010, 165, 966-973.	12.7	108
138	Applications of the crystallization process in the pharmaceutical industry. Frontiers of Chemical Engineering in China, 2010, 4, 2-9.	0.6	16
139	Diastereomeric resolution of <i>p</i> -chloromandelic acid with <i>(R)</i> -phenylethylamine. Chirality, 2010, 22, 16-23.	2.6	16
140	Chiral discrimination in diastereomeric salts of chlorine-substituted mandelic acid and phenylethylamine. Chirality, 2010, 22, 707-716.	2.6	16
141	Synthesis and Preliminary Characterization of Sulfamethazine-Theophylline Co-Crystal. Journal of Pharmaceutical Sciences, 2010, 99, 4042-4047.	3.3	59
142	Kinetics of (R,S)- and (R)-mandelic acid in an unseeded cooling batch crystallizer. Journal of Crystal Growth, 2010, 312, 3340-3348.	1.5	8
143	Solubility of L-Phenylalanine in Aqueous Solutions. Journal of Chemical Engineering of Japan, 2010, 43, 810-813.	0.6	11
144	Photocatalytic activities of Pt/ZIF-8 loaded highly ordered TiO ₂ nanotubes. Journal of Materials Chemistry, 2010, 20, 10241.	6.7	58

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