

No	Authors	Title of the paper	Journal	Volume, Pages	Journal Impact Factor
1	Kim, Y-K., Wang, X., Mondkar, P., Bukusoglu, E. , Abbott, N.L.	Self-reporting and Self-regulating Liquid Crystals	Nature	557: 539	40.137
2	Ata, Ö., Rebnegger, C., Tatto, N, Valli, M., Mairinger, T., Hann, S., Steiger, M., Çalık, P. , Mattanovich, D	A single transcription factor activates the Crabtree effect in <i>Komagataella phaffii</i> (<i>Pichia pastoris</i>)	Nature Communications	3.785416667	12.353
3	Karausta, A., Bukusoglu, E.	Liquid Crystal-Templated Synthesis of Mesoporous Membranes with Predetermined Pore Alignment	ACS Appl. Mater. Interfaces	10(39); 33484-33492	8.097
4	H. Yücel, P.Z. Çulfaz-Emecen	Helical hollow fibers via rope coiling: Effect of spinning conditions on geometry and membrane morphology	J Membr Sci	559: 5-62	6.656
5	F.M. Sukma, P.Z. Çulfaz-Emecen	Cellulose membranes for organic solvent nanofiltration	J Membr Sci	545: 329-336	6.656
6	Ipek, B. , Pollock, R. A., Brown, C. M., Uner, D. , Lobo, R. F.	H ₂ Adsorption on Cu(I)-SSZ-13	J Phys Chem C	122: 540-548	4.484
7	Sagir, E., Alipour, S., Elkahlout K., Koku H. , Gunduz U., Eroglu I. , Yucel, M.	Biological hydrogen production from sugar beet molasses by agar immobilized <i>R. capsulatus</i> in a panel photobioreactor	Int J Hydrogen Energy	43: 14987-14995	4.229
8	Savasturk, D., Kayahan E., Koku H.	Photofermentative hydrogen production from molasses: Scale-up and outdoor operation at low carbon-to-nitrogen ratio	Int J Hydrogen Energy	43: 11676-11687	4.229
9	Gokce S. Avcioglu, Berker Ficicilar, Inci Eroglu	Effective factors improving catalyst layers of PEM fuel cell	International journal of hydrogen energy	43 (2018)10779 -10797	4.229
10	Dilara Gulcin Caglayan, Berna Sezgin, Yilser Devrim, Inci Eroglu	Three-dimensional non-isothermal model development of high temperature PEM Fuel Cells	International journal of hydrogen energy	43(2018)10834-10841	4.229

11	Özkutlu, M., Dilek, Ç., Bayram, G.	Effects of hollow glass microsphere density and surface modification on the mechanical and thermal properties of poly (methyl methacrylate) syntactic foams	Composite Structures	202: 545-550	4.101
12	I. Tezsevin, R. A. van Santen , I. Onal	A density functional theory study of propylene epoxidation mechanism on Ag ₂ O(001) surface	Phys.Chem.Chem.Phys.,	20, 26681	3.906
13	Ates C., Selçuk N., Kulah G.	Significance of Particle Concentration Distribution on Radiative Heat Transfer in Circulating Fluidized Bed Combustors	International Journal of Heat and Mass Transfer	117: 58-70	3.891
14	Ates C., Selçuk N., Kulah G.	Effect of Changing Biomass Source on Radiative Heat Transfer During Co-Firing of High-Sulfur Content Lignite in Fluidized Bed Combustors	Applied Thermal Engineering	128: 539-550	3.771
15	Sahin, Fatma; Topuz, Berna; Kalipcilar, Halil	Synthesis of ZIF-7, ZIF-8, ZIF-67, and ZIF-L from recycled mother liquors	Microporous and Mesoporous Materials	261: 259-267	3.649
16	E.N. Durmaz, P.Z. Çulfaz-Emecen	Cellulose-based membranes via phase inversion using [EMIM]OAc-DMSO mixtures as solvent	Chem Eng Sci	178: 93-103	3.346
17	Lee, J , Ko, JH , Mansfield, KM, Nauka, PC , Bat, E, Maynard, HD	Glucose-Responsive Trehalose Hydrogel for Insulin Stabilization and Delivery	Macromolecular Bioscience	18, 6, 1700372	3.392
18	Massahi, A., Çalık, P.	Naturally occurring novel promoters around pyruvate branch-point for recombinant protein production in Pichia pastoris: PDC- and PK- promoters	Biochemical Eng J.	138: 111-120	3.226
19	Golshan S., Yaman O., Koksal M., Kulah G., Zarghami R., Mostoufi N.	A New Correlation for Minimum Spouting Velocity for Conical Spouted Beds Operating with High Density Particles	Experimental Thermal and Fluid Science	96: 358-370	3.204

20	Bukusoglu, Emre; Kalipcilar, Halil; Yilmaz, Levent	Dehydration of Industrial Byproduct Solutions for Recycling via Pervaporation-Adsorption Hybrid Process	Industrial & Engineering Chemistry Reserach	57: 2277-2286	3.141
21	Ayasi İlhan, Yılmaz, Levent, Kalıpçılar Halil	The Gas Permeation Characteristics of Ternary Component Mixed Matrix Membranes Prepared Using ZIF-8 with a Large Range of Average Particle Size	Industrial & Engineering Chemistry Reserach	57(47); 16041-16050	3.141
22	Nekokar, N., Pourabdoli, M., Hamidi, A.G., Uner, D.	Effect of mechanical activation on thermal energy storage properties of Co ₃ O ₄ /CoO system	Advanced Powder Technology	29(2), 333-340	2.943
23	Kutukcu, B., Ayranci, I.	Applicability of the power model to mixed slurries with non-spherical particles and networking effect	Chemical Engineering Research and Design	138: 314-330	2.795
24	Ates C., Selçuk N., Kulah G.	Influence of Fly Ash Composition on Non-Gray Particle Radiation in Combusting Systems	Journal of Quantitative Spectroscopy and Radiative Transfer	215: 25-40	2.600
25	Ates C., Selçuk N., Kulah G.	Influence of Gray Particle Assumption on the Predictive Accuracy of Gas Property Approximations	Journal of Quantitative Spectroscopy and Radiative Transfer	220: 67-83	2.600
26	Çalık, P. , Hoxha, B., Çalık, G., Özdamar, T.H	Hybrid fed-batch bioreactor operation design: Control of substrate uptake enhances recombinant protein production in high-cell-density fermentations	J of Chem Tech Biotec	93(11), 3326-2225	2.587
27	Türkcan, İ., Nalbant, A.D., Bat, E. , Akça, G.	Examination of 2-methacryloyloxyethyl phosphorylcholine polymer coated acrylic resin denture base material: surface characteristics and Candida albicans adhesion	J. Mater. Sci.-Mater. in Medicine	29:107	2.448
28	Ates C., Ozen G., Selçuk N., Kulah G.	Assessment of Gas Radiative Property Models in the Presence of Non-Gray Particles	Numerical Heat Transfer, Part A: Applications	73: 385-407	2.409

29	Ates C., Selçuk N. , Kulah G.	Effect of Limestone Addition on Radiative Heat Transfer during Co-Firing of High-Sulfur Content Lignite with Biomass in Fluidized Bed Combustors	Combustion Science and Technology	190: 1377-1391	1.132
30	Kresta, S., Ayranci, I.	Psychrometric charts in color: An example of active learning for chemical engineering students and faculty members	Education for Chemical Engineers	22: 14-19	