

# Frank P Lucien

## List of Publications by Year in descending order

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48  
papers

953  
citations

471477

17  
h-index

454934

30  
g-index

51  
all docs

51  
docs citations

51  
times ranked

952  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quiescent Mineralisation for Free-standing Mineral Microfilms with a Hybrid Structure. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 327-339.	9.4	3
2	Dynamic Mineralization: Low-Temperature, Rapid, and Multidirectional Process to Encapsulate Polyether Ether Ketone with Carbonate-Rich Hydroxyapatite for Osseointegration. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100333.	3.7	4
3	Dynamic Mineralization: Low-Temperature, Rapid, and Multidirectional Process to Encapsulate Polyether Ether Ketone with Carbonate-Rich Hydroxyapatite for Osseointegration ( <i>Adv. Mater.</i> ) Tj ETQq1 1 0.384314 rgBT /Over	3.7	4
4	Polymerization-Induced Self-Assembly under Compressed CO <sub>2</sub> : Control of Morphology Using a CO <sub>2</sub> -Responsive MacroRAFT Agent. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800335.	3.9	36
5	Aqueous heterogeneous radical polymerization of styrene under compressed ethane. <i>Journal of Supercritical Fluids</i> , 2018, 142, 45-51.	3.2	1
6	Mechanistic Aspects of Aqueous Heterogeneous Radical Polymerization of Styrene under Compressed CO <sub>2</sub> . <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700128.	2.2	4
7	Water and Carbon Dioxide: A Unique Solvent for the Catalytic Polymerization of Ethylene in Miniemulsion. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2057-2061.	3.3	5
8	Radical polymerization of miniemulsions induced by compressed gases. <i>RSC Advances</i> , 2016, 6, 50650-50657.	3.6	5
9	Polymerization induced self-assembly: tuning of nano-object morphology by use of CO <sub>2</sub> . <i>Polymer Chemistry</i> , 2015, 6, 2249-2254.	3.9	65
10	Synthesis of crosslinked polymeric nanocapsules using cationic vesicle templates stabilized by compressed CO <sub>2</sub> . <i>Soft Matter</i> , 2015, 11, 8613-8620.	2.7	3
11	Catalyst design for methane steam reforming. <i>Applied Catalysis A: General</i> , 2014, 479, 87-102.	4.3	39
12	Dispersion polymerization of styrene in CO <sub>2</sub> -expanded ethanol. <i>Polymer</i> , 2013, 54, 6689-6694.	3.8	7
13	Basket Impeller Extractive Reactor Column for Biodiesel Production: An Experimental Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 15298-15310.	3.7	2
14	Evaluating the impact of recycled fiber content on effluent recycling in newsprint manufacture. <i>Chemosphere</i> , 2013, 92, 1513-1519.	8.2	8
15	Exploiting the homogeneous expansion limit of CO <sub>2</sub> -expanded media for the synthesis of polymeric nanoparticles. <i>Journal of Supercritical Fluids</i> , 2013, 78, 89-94.	3.2	4
16	Size-Tunable Nanoparticle Synthesis by RAFT Polymerization in CO <sub>2</sub> -Induced Miniemulsions. <i>Macromolecules</i> , 2012, 45, 1803-1810.	4.8	20
17	Radical polymerization of CO <sub>2</sub> -induced emulsions: A novel route to polymeric nanoparticles. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4307-4311.	2.3	8
18	Nitroxide-mediated radical polymerization of carbon dioxide-expanded methyl methacrylate. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5636-5641.	2.3	10

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19	Design of $\text{Ce}_{1-x}\text{Co}_x\text{Ti}$ Perovskite for Photocatalysis: A Statistical Study. <i>Journal of Advanced Oxidation Technologies</i> , 2009, 12, .	0.5	0
20	Solid-liquid equilibria of multicomponent lipid mixtures under $\text{CO}_2$ pressure: Measurement and thermodynamic modeling. <i>AIChE Journal</i> , 2008, 54, 2487-2494.	3.6	13
21	Alumina-supported cobalt-molybdenum catalyst for slurry phase Fischer-Tropsch synthesis. <i>Catalysis Today</i> , 2008, 131, 255-261.	4.4	35
22	Kinetic modelling of the catalytic hydrogenation of $\text{CO}_2$ -expanded $\alpha$ -methylstyrene. <i>Journal of Supercritical Fluids</i> , 2008, 46, 40-46.	3.2	12
23	Ion exchange resins for the treatment of cyanidation tailings. <i>Minerals Engineering</i> , 2008, 21, 683-690.	4.3	7
24	Molecular Weight Evolution in the Catalytic Chain Transfer Polymerization of $\text{CO}_2$ -Expanded Methyl Methacrylate. <i>Macromolecules</i> , 2008, 41, 5141-5147.	4.8	8
25	Solubility of Carbon Dioxide in Butyl Methacrylate at Temperatures of (323 and 333) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2006, 51, 718-721.	1.9	8
26	Effect of Bulk Viscosity on the Catalytic Chain Transfer Polymerization of $\text{CO}_2$ -Expanded Butyl Methacrylate and Styrene. <i>Macromolecules</i> , 2006, 39, 8669-8673.	4.8	9
27	Catalytic chain transfer polymerisation of $\text{CO}_2$ -expanded methyl methacrylate. <i>Journal of Supercritical Fluids</i> , 2006, 38, 420-426.	3.2	18
28	Selective elution of the gold cyanide complex from anion exchange resin using mixed solvents. <i>Minerals Engineering</i> , 2006, 19, 896-903.	4.3	18
29	Precipitation of potassium aurocyanide from dipolar aprotic solvents using a supercritical antisolvent. <i>Journal of Supercritical Fluids</i> , 2005, 33, 69-76.	3.2	5
30	Reversible addition-fragmentation chain transfer polymerization of methyl methacrylate in suspension. <i>Journal of Polymer Science Part A</i> , 2005, 43, 2001-2012.	2.3	37
31	Vapor-Liquid Equilibria of Carbon Dioxide + Methyl Methacrylate at 308, 313, 323, and 333 K. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 1021-1026.	3.7	17
32	Ion-Exchange Equilibria for $[\text{Au}(\text{CN})_2]^-/\text{Cl}^-$ , $[\text{Au}(\text{CN})_2]^-/\text{SCN}^-$ , and $\text{SCN}^-/\text{Cl}^-$ in Acetone + Water Mixtures at 303 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2005, 50, 1448-1453.	1.9	1
33	Ion-Exchange Equilibria for $[\text{Au}(\text{CN})_2]^-/\text{Cl}^-$ and $[\text{Au}(\text{CN})_2]^-/\text{SCN}^-$ on Purolite A500 in Mixed Solvents at 303 K. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 7496-7504.	3.7	8
34	Precipitation of potassium aurocyanide from dipolar aprotic solvents using a supercritical antisolvent. <i>Journal of Supercritical Fluids</i> , 2005, 33, 69-76.	3.2	2
35	Solubility of carbon dioxide in dimethylsulfoxide and N-methyl-2-pyrrolidone at elevated pressure. <i>Journal of Supercritical Fluids</i> , 2004, 31, 227-234.	3.2	69
36	Ion-Exchange Equilibria for $\text{Au}(\text{CN})_2^-/\text{Cl}^-$ , $\text{Au}(\text{CN})_2^-/\text{SCN}^-$ , and $\text{SCN}^-/\text{Cl}^-$ in Aqueous Solution at 303 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2004, 49, 1279-1284.	1.9	3

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37	Substituent effects in the catalytic chain transfer polymerization of 2-hydroxyethyl methacrylate. <i>European Polymer Journal</i> , 2003, 39, 429-435.	5.4	16
38	Three-phase catalytic hydrogenation of $\hat{1}\pm$ -methylstyrene in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2003, 25, 155-164.	3.2	33
39	Volumetric expansion and vapour-liquid equilibria of $\hat{1}\pm$ -methylstyrene and cumene with carbon dioxide at elevated pressure. <i>Journal of Supercritical Fluids</i> , 2003, 25, 99-107.	3.2	18
40	Solubility of Hydrogen in $\hat{1}\pm$ -Methylstyrene and Cumene at Elevated Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , 2002, 47, 474-477.	1.9	10
41	Kinetics of the Autoxidation of Sodium Dodecyl Sulfate Catalyzed by Alumina-Supported Co <sup>2+</sup> /Zn Composite. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 5095-5101.	3.7	3
42	Solubilities of solid mixtures in supercritical carbon dioxide: a review. <i>Journal of Supercritical Fluids</i> , 2000, 17, 111-134.	3.2	173
43	Critical Properties for Binary Mixtures of Ethane Containing Low Concentrations of n-Alkane. <i>Journal of Chemical &amp; Engineering Data</i> , 2000, 45, 131-135.	1.9	20
44	Asymmetric catalytic hydrogenation in CO <sub>2</sub> expanded methanol—an application of gas anti-solvent reactions (GASR). , 2000, , 173-181.		19
45	Catalytic Chain Transfer Polymerization of Methyl Methacrylate in Supercritical Carbon Dioxide: Evidence for a Diffusion-Controlled Transfer Process. <i>Macromolecules</i> , 1999, 32, 5514-5518.	4.8	31
46	Steric Effects and Preferential Interactions in Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 1998, 37, 4190-4197.	3.7	26
47	Solubilities of Mixed Hydroxybenzoic Acid Isomers in Supercritical Carbon Dioxide. <i>Journal of Chemical &amp; Engineering Data</i> , 1998, 43, 726-731.	1.9	44
48	Influence of Matrix Composition on the Solubility of Hydroxybenzoic Acid Isomers in Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 1996, 35, 4686-4699.	3.7	63