

# Bala Subramaniam

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/172666/publications.pdf>

Version: 2024-02-01

213  
papers

6,994  
citations

53794

45  
h-index

79698

73  
g-index

220  
all docs

220  
docs citations

220  
times ranked

5630  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Gas-Expanded Liquids. <i>Chemical Reviews</i> , 2007, 107, 2666-2694.   | 47.7 | 521       |
| 2  | Pharmaceutical Processing with Supercritical Carbon Dioxide. <i>Journal of Pharmaceutical Sciences</i> , 1997, 86, 885-890.   | 3.3  | 378       |
| 3  | Reactions in supercritical fluids - a review. <i>Industrial &amp; Engineering Chemistry Process Design and Development</i> , 1986, 25, 1-12.  | 0.6  | 212       |
| 4  | CO <sub>2</sub> -Expanded Solvents: A Unique and Versatile Media for Performing Homogeneous Catalytic Oxidations. <i>Journal of the American Chemical Society</i> , 2002, 124, 2513-2517.   | 13.7 | 180       |
| 5  | Catalytic oxidations in carbon dioxide-based reaction media, including novel CO <sub>2</sub> -expanded phases. <i>Coordination Chemistry Reviews</i> , 2001, 219-221, 789-820.  | 18.8 | 162       |
| 6  | Aqueous phase hydrogenolysis of glycerol to 1,2-propanediol without external hydrogen addition. <i>Catalysis Today</i> , 2010, 156, 31-37.  | 4.4  | 157       |
| 7  | Cu-Based Catalysts Show Low Temperature Activity for Glycerol Conversion to Lactic Acid. <i>ACS Catalysis</i> , 2011, 1, 548-551.   | 11.2 | 147       |
| 8  | Lattice-Matched Bimetallic CuPd-Graphene Nanocatalysts for Facile Conversion of Biomass-Derived Polyols to Chemicals. <i>ACS Nano</i> , 2013, 7, 1309-1316.   | 14.6 | 112       |
| 9  | Catalytic Hydroprocessing of p-Cresol: Metal, Solvent and Mass-Transfer Effects. <i>Topics in Catalysis</i> , 2012, 55, 129-139.  | 2.8  | 109       |
| 10 | Improved 1-butene/isobutane alkylation with acidic ionic liquids and tunable acid/ionic liquid mixtures. <i>Journal of Catalysis</i> , 2009, 268, 243-250.  | 6.2  | 107       |
| 11 | Environmentally benign multiphase catalysis with dense phase carbon dioxide. <i>Applied Catalysis B: Environmental</i> , 2002, 37, 279-292.   | 20.2 | 100       |
| 12 | Enhancing the stability of porous catalysts with supercritical reaction media. <i>Applied Catalysis A: General</i> , 2001, 212, 199-213.  | 4.3  | 94        |
| 13 | Extended Alkylate Production Activity during Fixed-Bed Supercritical 1-Butene/Isobutane Alkylation on Solid Acid Catalysts Using Carbon Dioxide as a Diluent. <i>Industrial &amp; Engineering Chemistry Research</i> , 1998, 37, 1243-1250. | 3.7  | 93        |
| 14 | Kinetic investigations of unusual solvent effects during Ru/C catalyzed hydrogenation of model oxygenates. <i>Journal of Catalysis</i> , 2014, 309, 174-184.  | 6.2  | 91        |
| 15 | Environmental impacts of ethylene production from diverse feedstocks and energy sources. <i>Applied Petrochemical Research</i> , 2014, 4, 167-179.  | 1.3  | 89        |
| 16 | Exceptional performance of bimetallic Pt <sub>1</sub> Cu <sub>3</sub> /TiO <sub>2</sub> nanocatalysts for oxidation of gluconic acid and glucose with O <sub>2</sub> to glucaric acid. <i>Journal of Catalysis</i> , 2015, 330, 323-329.    | 6.2  | 88        |
| 17 | Optimization of Co/Mn/Br-Catalyzed Oxidation of 5-Hydroxymethylfurfural to Enhance 2,5-Furandicarboxylic Acid Yield and Minimize Substrate Burning. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3659-3668.                  | 6.7  | 80        |
| 18 | Autoxidation of Substituted Phenols Catalyzed by Cobalt Schiff Base Complexes in Supercritical Carbon Dioxide. <i>Inorganic Chemistry</i> , 2001, 40, 3336-3341.  | 4.0  | 78        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Aqueous Phase Hydrogenation of Acetic Acid and Its Promotional Effect on <i>p</i> -Cresol Hydrodeoxygenation. <i>Energy &amp; Fuels</i> , 2013, 27, 487-493.  | 5.1  | 76        |
| 20 | Sorbitol Hydrogenolysis over Hybrid Cu/CaO-Al <sub>2</sub> O <sub>3</sub> Catalysts: Tunable Activity and Selectivity with Solid Base Incorporation. <i>ACS Catalysis</i> , 2015, 5, 6545-6558.   | 11.2 | 76        |
| 21 | Synergistic Effects of Bimetallic PtPd/TiO <sub>2</sub> Nanocatalysts in Oxidation of Glucose to Glucaric Acid: Structure Dependent Activity and Selectivity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 2932-2945.               | 3.7  | 73        |
| 22 | Gas-expanded liquids for sustainable catalysis and novel materials: Recent advances. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1843-1853.  | 18.8 | 72        |
| 23 | Oxidation of Glycerol to Dicarboxylic Acids Using Cobalt Catalysts. <i>ACS Catalysis</i> , 2016, 6, 4576-4583.  | 11.2 | 68        |
| 24 | In situ FTIR investigations of reverse water gas shift reaction activity at supercritical conditions. <i>Chemical Engineering Science</i> , 2007, 62, 5062-5069.  | 3.8  | 67        |
| 25 | Kinetic Modeling of Aqueous-Phase Glycerol Hydrogenolysis in a Batch Slurry Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 10826-10835.  | 3.7  | 66        |
| 26 | Niobium incorporated mesoporous silicate, Nb-KIT-6: Synthesis and characterization. <i>Microporous and Mesoporous Materials</i> , 2014, 190, 240-247.   | 4.4  | 66        |
| 27 | Homogeneous catalytic hydroformylation of 1-octene in CO <sub>2</sub> -expanded solvent media. <i>Chemical Engineering Science</i> , 2004, 59, 4887-4893.   | 3.8  | 63        |
| 28 | Synthesis and characterization of Zirconium incorporated ultra large pore mesoporous silicate, Zr-KIT-6. <i>Microporous and Mesoporous Materials</i> , 2013, 167, 207-212.  | 4.4  | 61        |
| 29 | Synthesis and Dehydration Activity of Novel Lewis Acidic Ordered Mesoporous Silicate: Zr-KIT-6. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 15481-15487.   | 3.7  | 60        |
| 30 | Atom Economical Aqueous-Phase Conversion (APC) of Biopolyols to Lactic Acid, Glycols, and Linear Alcohols Using Supported Metal Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1453-1462.   | 6.7  | 59        |
| 31 | Mixed alcohol dehydration over Brønsted and Lewis acidic catalysts. <i>Applied Catalysis A: General</i> , 2016, 510, 110-124.   | 4.3  | 59        |
| 32 | Fixed-bed hydrogenation of organic compounds in supercritical carbon dioxide. <i>Chemical Engineering Science</i> , 2001, 56, 1363-1369.  | 3.8  | 57        |
| 33 | Application of CO <sub>2</sub> -expanded solvents in heterogeneous catalysis: a case study. <i>Applied Catalysis B: Environmental</i> , 2004, 49, 91-98.  | 20.2 | 57        |
| 34 | Intensification of catalytic olefin hydroformylation in CO <sub>2</sub> -expanded media. <i>AIChE Journal</i> , 2006, 52, 2575-2581.  | 3.6  | 57        |
| 35 | Phase Equilibria in Carbon Dioxide Expanded Solvents: Experiments and Molecular Simulations. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13195-13202.   | 2.6  | 56        |
| 36 | Is the Liquid-Phase H <sub>2</sub> O <sub>2</sub> -Based Ethylene Oxide Process More Economical and Greener Than the Gas-Phase O <sub>2</sub> -Based Silver-Catalyzed Process?. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 18-29. | 3.7  | 53        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Fischer-tropsch synthesis in near-critical n-hexane: Pressure-tuning effects. <i>AIChE Journal</i> , 1998, 44, 1889-1896.  | 3.6  | 52        |
| 38 | Tungsten-incorporated cage-type mesoporous silicate: W-KIT-5. <i>Microporous and Mesoporous Materials</i> , 2013, 175, 43-49.  | 4.4  | 52        |
| 39 | Towards highly selective ethylene epoxidation catalysts using hydrogen peroxide and tungsten- or niobium-incorporated mesoporous silicate (KIT-6). <i>Catalysis Science and Technology</i> , 2014, 4, 4433-4439.                     | 4.1  | 52        |
| 40 | Vapor-phase methanol and ethanol coupling reactions on CuMgAl mixed metal oxides. <i>Applied Catalysis A: General</i> , 2013, 455, 234-246.  | 4.3  | 51        |
| 41 | Coking and activity of porous catalysts in supercritical reaction media. <i>AIChE Journal</i> , 1992, 38, 1027-1037.   | 3.6  | 50        |
| 42 | Direct incorporation of tungsten into ultra-large-pore three-dimensional mesoporous silicate framework: W-KIT-6. <i>Journal of Porous Materials</i> , 2012, 19, 961-968.   | 2.6  | 50        |
| 43 | Comparative Economic and Environmental Assessments of H <sub>2</sub> O <sub>2</sub> -based and Tertiary Butyl Hydroperoxide-based Propylene Oxide Technologies. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 268-277. | 6.7  | 49        |
| 44 | Synthesis, Characterization, and Epoxidation Activity of Tungsten-Incorporated SBA-16 (W-SBA-16). <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 18833-18839.  | 3.7  | 49        |
| 45 | Continuous homogeneous hydroformylation with bulky rhodium catalyst complexes retained by nano-filtration membranes. <i>Applied Catalysis A: General</i> , 2011, 393, 294-301.   | 4.3  | 47        |
| 46 | Liquid phase oxidation of p-xylene to terephthalic acid at medium-high temperatures: multiple benefits of CO <sub>2</sub> -expanded liquids. <i>Green Chemistry</i> , 2010, 12, 260.   | 9.0  | 46        |
| 47 | Mechanistic insights for enhancing activity and stability of Nb-incorporated silicates for selective ethylene epoxidation. <i>Journal of Catalysis</i> , 2016, 336, 75-84.   | 6.2  | 44        |
| 48 | Ultraviolet-Visible Spectroscopy and Temperature-Programmed Techniques as Tools for Structural Characterization of Cu in CuMgAlOx Mixed Metal Oxides. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18207-18221.               | 3.1  | 43        |
| 49 | Anisotropic growth of PtFe nanoclusters induced by lattice-mismatch: Efficient catalysts for oxidation of biopolyols to carboxylic acid derivatives. <i>Journal of Catalysis</i> , 2016, 337, 272-283.                               | 6.2  | 43        |
| 50 | A spray reactor concept for catalytic oxidation of p-xylene to produce high-purity terephthalic acid. <i>Chemical Engineering Science</i> , 2013, 104, 93-102.   | 3.8  | 42        |
| 51 | Supercritical fluids and gas-expanded liquids as tunable media for multiphase catalytic reactions. <i>Chemical Engineering Science</i> , 2014, 115, 3-18.  | 3.8  | 40        |
| 52 | Novel zirconium containing cage type silicate (Zr-KIT-5): An efficient Friedel-Crafts alkylation catalyst. <i>Chemical Engineering Journal</i> , 2015, 278, 113-121.   | 12.7 | 40        |
| 53 | Kinetics of homogeneous 5-hydroxymethylfurfural oxidation to 2,5-furandicarboxylic acid with Co/Mn/Br catalyst. <i>AIChE Journal</i> , 2017, 63, 162-171.  | 3.6  | 39        |
| 54 | Autoxidation of 2,6-di-tert-butylphenol with cobalt Schiff base catalysts by oxygen in CO <sub>2</sub> -expanded liquids. <i>Green Chemistry</i> , 2004, 6, 387.   | 9.0  | 38        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 55 | Gas-Expanded Liquids: Fundamentals and Applications. ACS Symposium Series, 2009, , 3-37.   | 0.5  | 38        |
| 56 | Toward a CO <sub>2</sub> -free ethylene oxide process: Homogeneous ethylene oxide in gas-expanded liquids. Chemical Engineering Science, 2010, 65, 128-134.  | 3.8  | 38        |
| 57 | Zirconium-Incorporated Mesoporous Silicates Show Remarkable Lignin Depolymerization Activity. ACS Sustainable Chemistry and Engineering, 2017, 5, 7155-7164.   | 6.7  | 38        |
| 58 | Homogeneous Catalytic Epoxidation of Organic Substrates in CO <sub>2</sub> -Expanded Solvents in the Presence of Water-Soluble Oxidants and Catalysts. Industrial & Engineering Chemistry Research, 2003, 42, 6505-6510.                       | 3.7  | 36        |
| 59 | Economic and Environmental Impact Analyses of Catalytic Olefin Hydroformylation in CO <sub>2</sub> -Expanded Liquid (CXL) Media. Industrial & Engineering Chemistry Research, 2007, 46, 8687-8692.   | 3.7  | 36        |
| 60 | A greener, pressure intensified propylene epoxidation process with facile product separation. Chemical Engineering Science, 2007, 62, 7282-7289.   | 3.8  | 36        |
| 61 | Liquid CO <sub>2</sub> as a Safe and Benign Solvent for the Ozonolysis of Fatty Acid Methyl Esters. ACS Sustainable Chemistry and Engineering, 2015, 3, 3307-3314.   | 6.7  | 36        |
| 62 | Continuous acylation of anisole by acetic anhydride in mesoporous solid acid catalysts: Reaction media effects on catalyst deactivation. Journal of Catalysis, 2007, 245, 184-190.   | 6.2  | 35        |
| 63 | Multiphase Catalytic Hydrogenolysis/Hydrodeoxygenation Processes for Chemicals from Renewable Feedstocks: Kinetics, Mechanism, and Reaction Engineering. Industrial & Engineering Chemistry Research, 2013, 52, 15226-15243.                   | 3.7  | 35        |
| 64 | Highly selective homogeneous ethylene epoxidation in gas (ethylene)-expanded liquid: Transport and kinetic studies. AIChE Journal, 2013, 59, 180-187.  | 3.6  | 34        |
| 65 | Advancing the Use of Sustainability Metrics in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2018, 6, 1-1.   | 6.7  | 34        |
| 66 | Shaping Effective Practices for Incorporating Sustainability Assessment in Manuscripts Submitted to ACS Sustainable Chemistry & Engineering: Catalysis and Catalytic Processes. ACS Sustainable Chemistry and Engineering, 2021, 9, 4936-4940. | 6.7  | 34        |
| 67 | Nanoparticulate Metal Complexes Prepared with Compressed Carbon Dioxide: Correlation of Particle Morphology with Precursor Structure. Journal of the American Chemical Society, 2005, 127, 9698-9699.  | 13.7 | 33        |
| 68 | Genesis of Strong Brønsted Acid Sites in WZr-KIT-6 Catalysts and Enhancement of Ethanol Dehydration Activity. ACS Catalysis, 2018, 8, 4848-4859.   | 11.2 | 33        |
| 69 | 1-hexene isomerization on a Pt/Al <sub>2</sub> O <sub>3</sub> catalyst: The dramatic effects of feed peroxides on catalyst activity. Chemical Engineering Science, 1996, 51, 2369-2377.  | 3.8  | 32        |
| 70 | Catalytic conversion of CO <sub>2</sub> and shale gas-derived substrates into saturated carbonates and derivatives: Catalyst design, performances and reaction mechanism. Journal of CO <sub>2</sub> Utilization, 2019, 34, 115-148.           | 6.8  | 32        |
| 71 | Dense Gas Antisolvent Precipitation: A Comparative Investigation of the GAS and PCA Techniques. Industrial & Engineering Chemistry Research, 2005, 44, 1502-1509.  | 3.7  | 31        |
| 72 | Thermal Cracking and Catalytic Hydrocracking of a Colombian Vacuum Residue and Its Maltenes and Asphaltenes Fractions in Toluene. Energy & Fuels, 2017, 31, 3868-3877.   | 5.1  | 31        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 73 | Intriguing Catalyst (CaO) Pretreatment Effects and Mechanistic Insights during Propylene Carbonate Transesterification with Methanol. ACS Sustainable Chemistry and Engineering, 2017, 5, 4718-4729.                                  | 6.7  | 31        |
| 74 | Transesterification of Propylene Carbonate with Methanol Using Fe-Mn Double Metal Cyanide Catalyst. ACS Sustainable Chemistry and Engineering, 2019, 7, 5698-5710.  | 6.7  | 31        |
| 75 | Valorization of Grass Lignins: Swift and Selective Recovery of Pendant Aromatic Groups with Ozone. ACS Sustainable Chemistry and Engineering, 2018, 6, 71-76.   | 6.7  | 30        |
| 76 | Solubilities of CO and H <sub>2</sub> in Neat and CO <sub>2</sub> -Expanded Hydroformylation Reaction Mixtures Containing 1-Octene and Nonanal up to 353.15 K and 9 MPa. Journal of Chemical & Engineering Data, 2009, 54, 1633-1642. | 1.9  | 28        |
| 77 | Graphene oxide stabilized Cu <sub>2</sub> O for shape selective nanocatalysis. Journal of Materials Chemistry A, 2014, 2, 7147.   | 10.3 | 28        |
| 78 | Kinetics on a supported catalyst at supercritical, nondeactivating conditions. AIChE Journal, 1999, 45, 1559-1565.  | 3.6  | 27        |
| 79 | Vapor-Liquid Mass Transfer during Gas Antisolvent Recrystallization: Modeling and Experiments. Industrial & Engineering Chemistry Research, 2003, 42, 2171-2182.  | 3.7  | 26        |
| 80 | Isobutane/butene alkylation on microporous and mesoporous solid acid catalysts: probing the pore transport effects with liquid and near critical reaction media. Green Chemistry, 2009, 11, 102-108.                                  | 9.0  | 26        |
| 81 | Comparative Study of Nb-Incorporated Cubic Mesoporous Silicates as Epoxidation Catalysts. Industrial & Engineering Chemistry Research, 2015, 54, 4236-4242.   | 3.7  | 26        |
| 82 | On-Line Gas Chromatographic Analysis of Fischer-Tropsch Synthesis Products Formed in a Supercritical Reaction Medium. Industrial & Engineering Chemistry Research, 1997, 36, 4413-4420.   | 3.7  | 25        |
| 83 | Prediction of phase equilibria and transport properties in carbon-dioxide expanded solvents by molecular simulation. Molecular Simulation, 2007, 33, 861-869.   | 2.0  | 25        |
| 84 | Exploiting Neoteric Solvents for Sustainable Catalysis and Reaction Engineering: Opportunities and Challenges. Industrial & Engineering Chemistry Research, 2010, 49, 10218-10229.  | 3.7  | 25        |
| 85 | Dual Function Lewis Acid Catalyzed Depolymerization of Industrial Corn Stover Lignin into Stable Monomeric Phenols. ACS Sustainable Chemistry and Engineering, 2019, 7, 1362-1371.  | 6.7  | 25        |
| 86 | Enhanced Acid-Catalyzed Lignin Depolymerization in a Continuous Reactor with Stable Activity. ACS Sustainable Chemistry and Engineering, 2020, 8, 4096-4106.  | 6.7  | 25        |
| 87 | Terephthalic Acid Production via Greener Spray Process: Comparative Economic and Environmental Impact Assessments with Mid-Century Process. ACS Sustainable Chemistry and Engineering, 2014, 2, 823-835.                              | 6.7  | 24        |
| 88 | Quantitative Sustainability Analysis: A Powerful Tool to Develop Resource-Efficient Catalytic Technologies. ACS Sustainable Chemistry and Engineering, 2016, 4, 5859-5865.  | 6.7  | 24        |
| 89 | Kinetic Modeling of Sorbitol Hydrogenolysis over Bimetallic RuRe/C Catalyst. ACS Sustainable Chemistry and Engineering, 2016, 4, 6037-6047.   | 6.7  | 24        |
| 90 | Lattice distortion induced electronic coupling results in exceptional enhancement in the activity of bimetallic PtMn nanocatalysts. Applied Catalysis A: General, 2017, 534, 46-57.   | 4.3  | 24        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Phase Transformed PtFe Nanocomposites Show Enhanced Catalytic Performances in Oxidation of Glycerol to Tartronic Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 13157-13164.                        | 3.7 | 24        |
| 92  | Pressure-Tuning the Effective Diffusivity of Near-critical Reaction Mixtures in Mesoporous Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 2639-2643.   | 3.7 | 23        |
| 93  | Enhanced hydroformylation by carbon dioxide-expanded media with soluble Rh complexes in nanofiltration membrane reactors. <i>AIChE Journal</i> , 2013, 59, 4287-4296.   | 3.6 | 23        |
| 94  | Importance of Long-Range Noncovalent Interactions in the Regioselectivity of Rhodium-Xantphos-Catalyzed Hydroformylation. <i>Organometallics</i> , 2015, 34, 1062-1073.   | 2.3 | 23        |
| 95  | Kinetic modeling of Pt/C catalyzed aqueous phase glycerol conversion with <i>in situ</i> formed hydrogen. <i>AIChE Journal</i> , 2016, 62, 1162-1173.   | 3.6 | 23        |
| 96  | Expectations for Manuscripts Contributing to the Field of Solvents in <i>ACS Sustainable Chemistry &amp; Engineering</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14627-14629.                           | 6.7 | 23        |
| 97  | Advancing the Use of Sustainability Metrics. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2359-2360.   | 6.7 | 22        |
| 98  | Liquid-Phase Oxidation of Toluene and p-toluic Acid under Mild Conditions: Synergistic Effects of Cobalt, Zirconium, Ketones, and Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 546-552. | 3.7 | 21        |
| 99  | Oxidation of Glucose Using Mono- and Bimetallic Catalysts under Base-Free Conditions. <i>Organic Process Research and Development</i> , 2018, 22, 1653-1662.  | 2.7 | 21        |
| 100 | Facile Styrene Epoxidation with H <sub>2</sub> O <sub>2</sub> over Novel Niobium Containing Cage Type Mesoporous Silicate, Nb-KIT-5. <i>Topics in Catalysis</i> , 2015, 58, 314-324.  | 2.8 | 20        |
| 101 | Insights into pressure tunable reaction rates for electrochemical reduction of CO <sub>2</sub> in organic electrolytes. <i>Green Chemistry</i> , 2020, 22, 2434-2442.   | 9.0 | 20        |
| 102 | The Power of the United Nations Sustainable Development Goals in Sustainable Chemistry and Engineering Research. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8015-8017.                                       | 6.7 | 20        |
| 103 | Continuous-mixture kinetics of coke formation from olefinic oligomers. <i>AIChE Journal</i> , 1995, 41, 317-323.  | 3.6 | 19        |
| 104 | Enhanced metathesis of ethylene and 2-butene on tungsten incorporated ordered mesoporous silicates. <i>Applied Catalysis A: General</i> , 2016, 528, 142-149.   | 4.3 | 19        |
| 105 | Intensified Electrocatalytic CO <sub>2</sub> Conversion in Pressure-Tunable CO <sub>2</sub> -Expanded Electrolytes. <i>ChemSusChem</i> , 2019, 12, 3761-3768.   | 6.8 | 19        |
| 106 | Mass transfer effects during homogeneous 1-octene hydroformylation in CO <sub>2</sub> -expanded solvent: Modeling and experiments. <i>Chemical Engineering Science</i> , 2007, 62, 4967-4975.                                 | 3.8 | 18        |
| 107 | Development of a Greener Hydroformylation Process Guided by Quantitative Sustainability Assessments. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2748-2757.   | 6.7 | 18        |
| 108 | Highly dispersed molybdenum containing mesoporous silicate (Mo-TUD-1) for olefin metathesis. <i>Catalysis Today</i> , 2020, 343, 215-225.   | 4.4 | 18        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Correlation between Active Center Structure and Enhanced Dioxygen Binding in Co(salen) Nanoparticles: Characterization by In Situ Infrared, Raman, and X-ray Absorption Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12272-12281.                   | 3.1 | 17        |
| 110 | Kinetic Investigations of p-Xylene Oxidation to Terephthalic Acid with a Co/Mn/Br Catalyst in a Homogeneous Liquid Phase. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 9017-9026.  | 3.7 | 17        |
| 111 | Synthesis of molybdenum-incorporated mesoporous silicates by evaporation-induced self-assembly: Insights into surface oxide species and corresponding olefin metathesis activity. <i>Microporous and Mesoporous Materials</i> , 2017, 245, 118-125.                        | 4.4 | 17        |
| 112 | Liquid-Phase Oxidation of Ethylene Glycol on Pt and Pt-Fe Catalysts for the Production of Glycolic Acid: Remarkable Bimetallic Effect and Reaction Mechanism. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 18561-18568.                              | 3.7 | 17        |
| 113 | Exothermic oxidations in supercritical CO <sub>2</sub> : effects of pressure-tunable heat capacity on adiabatic temperature rise and parametric sensitivity. <i>Chemical Engineering Science</i> , 2003, 58, 1897-1901.  | 3.8 | 16        |
| 114 | Immobilized metal complexes in porous hosts: catalytic oxidation of substituted phenols in CO <sub>2</sub> media. <i>Green Chemistry</i> , 2006, 8, 972.   | 9.0 | 16        |
| 115 | Particle Fluidization with Supercritical Carbon Dioxide: Experiments and Theory. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 3153-3156.   | 3.7 | 16        |
| 116 | Intrinsic Kinetics of Ethanol Dehydration Over Lewis Acidic Ordered Mesoporous Silicate, Zr-KIT-6. <i>Topics in Catalysis</i> , 2014, 57, 1407-1411.   | 2.8 | 16        |
| 117 | Kinetic modeling of carboxylation of propylene oxide to propylene carbonate using ion-exchange resin catalyst in a semi-batch slurry reactor. <i>Chemical Engineering Science</i> , 2017, 168, 189-203.  | 3.8 | 16        |
| 118 | Kinetic Study of CaO-Catalyzed Transesterification of Cyclic Carbonates with Methanol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 14977-14987.   | 3.7 | 16        |
| 119 | Metal-Incorporated Mesoporous Silicates: Tunable Catalytic Properties and Applications. <i>Molecules</i> , 2018, 23, 263.  | 3.8 | 16        |
| 120 | Shaping Effective Practices for Incorporating Sustainability Assessment in Manuscripts Submitted to ACS Sustainable Chemistry & Engineering: An Initiative by the Editors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3977-3978.                          | 6.7 | 16        |
| 121 | Guaiacol Hydrodeoxygenation and Hydrogenation over Bimetallic Pt-M (Nb, W, Zr)/KIT-6 Catalysts with Tunable Acidity. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4831-4838.   | 6.7 | 16        |
| 122 | Enhanced Isooctane Yields for 1-Butene/Isobutane Alkylation on SiO <sub>2</sub> -supported Nafion Nafion is a registered trademark of I.E. du Pont de Nemours & Co. in Supercritical Carbon Dioxide. <i>Studies in Surface Science and Catalysis</i> , 2001, 139, 221-228. | 1.5 | 15        |
| 123 | Intensified ozonolysis of lignins in a spray reactor: insights into product yields and lignin structure. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1421-1430.   | 3.7 | 15        |
| 124 | Economic and Environmental Impact Analyses of Solid Acid Catalyzed Isoparaffin/Olefin Alkylation in Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 9072-9080.  | 3.7 | 14        |
| 125 | Evaporation-induced self-assembly of mesoporous zirconium silicates with tunable acidity and facile catalytic dehydration activity. <i>Microporous and Mesoporous Materials</i> , 2016, 223, 46-52.  | 4.4 | 14        |
| 126 | Strategies to Passivate Brønsted Acidity in Nb-TUD-1 Enhance Hydrogen Peroxide Utilization and Reduce Metal Leaching during Ethylene Epoxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 1999-2007.  | 3.7 | 14        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 127 | Aqueous-Phase Glycerol Catalysis and Kinetics with in Situ Hydrogen Formation. ACS Sustainable Chemistry and Engineering, 2019, 7, 11323-11333.   | 6.7  | 14        |
| 128 | Expectations for Manuscripts on Catalysis in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 4995-4996.  | 6.7  | 14        |
| 129 | Sustainable catalytic reaction engineering with gas-expanded liquids. Current Opinion in Chemical Engineering, 2012, 1, 336-341.  | 7.8  | 13        |
| 130 | Prediction of multicomponent phase behavior of CO <sub>2</sub> -expanded liquids using CEoS/GE models and comparison with experimental data. Journal of Supercritical Fluids, 2012, 67, 41-52.                    | 3.2  | 13        |
| 131 | Effects of tunable acidity and basicity of Nb-KIT-6 catalysts on ethanol conversion: Experiments and kinetic modeling. AIChE Journal, 2017, 63, 2888-2899.  | 3.6  | 13        |
| 132 | Intensified and safe ozonolysis of fatty acid methyl esters in liquid CO <sub>2</sub> in a continuous reactor. AIChE Journal, 2017, 63, 2819-2826.  | 3.6  | 13        |
| 133 | Novel tungsten-incorporated mesoporous silicates synthesized via evaporation-induced self-assembly: Enhanced metathesis performance. Journal of Catalysis, 2017, 350, 182-188.                                    | 6.2  | 13        |
| 134 | Remarkable epoxidation activity of neat and carbonized niobium silicates prepared by evaporation-induced self-assembly. Microporous and Mesoporous Materials, 2018, 261, 158-163.                                 | 4.4  | 13        |
| 135 | Correlation of Active Site Precursors and Olefin Metathesis Activity in W-Incorporated Silicates. ACS Catalysis, 2018, 8, 10437-10445.  | 11.2 | 13        |
| 136 | Homogeneous catalytic hydroformylation of propylene in propane-expanded solvent media. Chemical Engineering Science, 2018, 187, 148-156.  | 3.8  | 12        |
| 137 | Reaction Engineering Studies of the Epoxidation of Fatty Acid Methyl Esters with Venturello Complex. Industrial & Engineering Chemistry Research, 2019, 58, 2514-2523.  | 3.7  | 12        |
| 138 | Developing Students' Understanding of Industrially Relevant Economic and Life Cycle Assessments. Journal of Chemical Education, 2017, 94, 1798-1801.  | 2.3  | 11        |
| 139 | Organic Electrosynthesis in CO <sub>2</sub> -Expanded Electrolytes: Enabling Selective Acetophenone Carboxylation to Atrolatic Acid. ACS Sustainable Chemistry and Engineering, 2021, 9, 10431-10436.             | 6.7  | 11        |
| 140 | The Catalytic Efficacy of Co(salen)(AL) in O <sub>2</sub> Oxidation Reactions in CO <sub>2</sub> -Expanded Solvent Media: Axial Ligand Dependence and Substrate Selectivity. Catalysis Letters, 2008, 123, 46-50. | 2.6  | 10        |
| 141 | Supercritical Deoxygenation of a Model Bio-Oil Oxygenate. Industrial & Engineering Chemistry Research, 2010, 49, 10852-10858.   | 3.7  | 10        |
| 142 | A fluidized-bed coating technology using near-critical carbon dioxide as fluidizing and drying medium. Journal of Supercritical Fluids, 2012, 66, 315-320.  | 3.2  | 10        |
| 143 | Nanostructured Metal Catalysts for Selective Hydrogenation and Oxidation of Cellulosic Biomass to Chemicals. Chemical Record, 2019, 19, 1952-1994.  | 5.8  | 10        |
| 144 | Butadiene hydroformylation to adipaldehyde with Rh-based catalysts: Insights into ligand effects. Molecular Catalysis, 2020, 484, 110721.   | 2.0  | 10        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Continuous Hydroformylation with Phosphine-Functionalized Polydimethylsiloxane Rhodium Complexes as Nanofilterable Homogeneous Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 10656-10660.                   | 3.7 | 9         |
| 146 | Continuous Process for the Production of Taurine from Monoethanolamine. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 13007-13015.   | 3.7 | 9         |
| 147 | Enhanced Olefin Metathesis Performance of Tungsten and Niobium Incorporated Bimetallic Silicates: Evidence of Synergistic Effects. <i>ChemCatChem</i> , 2020, 12, 2004-2013.  | 3.7 | 9         |
| 148 | Expectations for Papers on Sustainable Materials in <i>ACS Sustainable Chemistry &amp; Engineering</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1703-1704.   | 6.7 | 9         |
| 149 | Paclitaxel Nanoparticles: Production Using Compressed CO <sub>2</sub> as Antisolvent: Characterization and Animal Model Studies. <i>ACS Symposium Series</i> , 2006, , 262-277.   | 0.5 | 8         |
| 150 | Nitric Oxide Disproportionation at Mild Temperatures by a Nanoparticulate Cobalt(II) Complex. <i>Chemistry of Materials</i> , 2008, 20, 5939-5941.  | 6.7 | 8         |
| 151 | Four Years of ACS Sustainable Chemistry & Engineering: Reflections and New Developments. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1-2.   | 6.7 | 8         |
| 152 | Enhancing Molecular Electrocatalysis of CO <sub>2</sub> Reduction with Pressure-Tunable CO <sub>2</sub> -Expanded Electrolytes. <i>ChemSusChem</i> , 2020, 13, 6338-6345.   | 6.8 | 8         |
| 153 | Near-stoichiometric O <sub>2</sub> binding on metal centers in Co(salen) nanoparticles. <i>AIChE Journal</i> , 2009, 55, 1040-1045.   | 3.6 | 7         |
| 154 | Perspectives on exploiting near-critical fluids for energy-efficient catalytic conversion of emerging feedstocks. <i>Journal of Supercritical Fluids</i> , 2015, 96, 96-102.  | 3.2 | 7         |
| 155 | Unique characteristics of MnOx-incorporated mesoporous silicate, Mn-FDU-5, prepared via evaporation induced self assembly. <i>Journal of Porous Materials</i> , 2016, 23, 57-65.  | 2.6 | 7         |
| 156 | Potential applications of Zr-KIT-5: Hantzsch reaction, Meerwein-Ponndorf-Verley (MPV) reduction of 4-tert-butylcyclohexanone, and Prins reaction of citronellal. <i>Research on Chemical Intermediates</i> , 2016, 42, 2399-2408.           | 2.7 | 7         |
| 157 | Enhanced solubility of hydrogen and carbon monoxide in propane and propylene-expanded liquids. <i>AIChE Journal</i> , 2018, 64, 970-980.  | 3.6 | 7         |
| 158 | Kinetic modeling and mechanistic investigations of transesterification of propylene carbonate with methanol over an Fe-Mn double metal cyanide catalyst. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 101-111.                      | 3.7 | 7         |
| 159 | Experimental and computational investigations of C-H activation of cyclohexane by ozone in liquid CO <sub>2</sub> . <i>Reaction Chemistry and Engineering</i> , 2020, 5, 793-802.   | 3.7 | 7         |
| 160 | Green Process Concepts for the Pharmaceutical Industry. <i>ACS Symposium Series</i> , 2000, , 96-110.   | 0.5 | 6         |
| 161 | Adsorption/Desorption Studies of 2,2,4-Trimethylpentane in $\beta$ -Zeolite and Mesoporous Materials Using a Tapered Element Oscillating Microbalance (TEOM). <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 9490-9497. | 3.7 | 6         |
| 162 | Enhanced hydroformylation of 1-octene in n-butane expanded solvents with Co-based complexes. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 344-352.  | 3.7 | 6         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | Understanding Sulfur Content in Alkylate from Sulfuric Acid-Catalyzed C <sub>3</sub> /C <sub>4</sub> Alkylations. <i>Energy &amp; Fuels</i> , 2019, 33, 4659-4670.  | 5.1 | 6         |
| 164 | The Evolution of ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1-1.  | 6.7 | 6         |
| 165 | Facile Production of 2,5-Furandicarboxylic Acid via Oxidation of Industrially Sourced Crude 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2022, 15, .   | 6.8 | 6         |
| 166 | ACS Sustainable Chemistry & Engineering Virtual Special Issue on Promoting the Development and Use of Quantitative Sustainability Metrics. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4422-4422.                           | 6.7 | 5         |
| 167 | 110th Anniversary: Near-Total Epoxidation Selectivity and Hydrogen Peroxide Utilization with Nb-EISA Catalysts for Propylene Epoxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 17727-17735.                   | 3.7 | 5         |
| 168 | Why Wasn't My ACS Sustainable Chemistry & Engineering Manuscript Sent Out for Review?. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1-2.   | 6.7 | 5         |
| 169 | Expectations for Manuscripts with Nanoscience and Nanotechnology Elements in ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7751-7752.  | 6.7 | 5         |
| 170 | Phase and Reaction Equilibria Considerations in the Evaluation and Operation of Supercritical Fluid Reaction Processes. <i>ACS Symposium Series</i> , 1989, , 301-316.  | 0.5 | 4         |
| 171 | In Situ Mitigation of Coke Buildup in Porous Catalysts with Supercritical Reaction Media. <i>ACS Symposium Series</i> , 1995, , 246-256.  | 0.5 | 4         |
| 172 | Hydroformylation in CO <sub>2</sub> -Expanded Media. <i>ACS Symposium Series</i> , 2009, , 202-217.   | 0.5 | 4         |
| 173 | Advances in Catalysis for Sustainable Development Special Issue. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3597-3597.   | 6.7 | 4         |
| 174 | Rh-Catalyzed Hydroformylation of 1,3-Butadiene and Pent-4-enal to Adipaldehyde in CO <sub>2</sub> -Expanded Media. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22526-22533.  | 3.7 | 4         |
| 175 | Expectations for Papers on Photochemistry, Photoelectrochemistry, and Electrochemistry for Energy Conversion and Storage in ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3038-3039. | 6.7 | 4         |
| 176 | Enhanced Friedel-Crafts benzylation activity of bimetallic WSn-KIT-6 catalysts. <i>Journal of Catalysis</i> , 2020, 389, 657-666.   | 6.2 | 4         |
| 177 | Expectations for Manuscripts Contributing to the Field on Management of Synthetic Chemicals in ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3376-3378.                              | 6.7 | 4         |
| 178 | Facile Prepolymer Formation with Ozone-Pretreated Grass Lignin by In Situ Grafting of Endogenous Aromatics. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17001-17007.  | 6.7 | 3         |
| 179 | Earth Day Reflections: Hope Amid the Pandemic. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5817-5818.   | 6.7 | 3         |
| 180 | Lab to Market: Where the Rubber Meets the Road for Sustainable Chemical Technologies. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2987-2989.  | 6.7 | 3         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 181 | Plastics Are Not Bad. Bad Plastics Are Bad.. ACS Sustainable Chemistry and Engineering, 2021, 9, 9150-9150.  | 6.7 | 3         |
| 182 | Energy trapping during reverse flow operation with discrete power introduction: Experiments and theory. Canadian Journal of Chemical Engineering, 1996, 74, 743-750.   | 1.7 | 2         |
| 183 | Chemical Process Intensification with Pressure-Tunable Media. Theoretical Foundations of Chemical Engineering, 2017, 51, 928-935.  | 0.7 | 2         |
| 184 | Expectations for Manuscripts in ACS Sustainable Chemistry & Engineering: Scope Summary and Call for Creativity. ACS Sustainable Chemistry and Engineering, 2020, 8, 16046-16047.   | 6.7 | 2         |
| 185 | Expectations for Manuscripts on Biomass Feedstocks and Processing in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 11031-11032.   | 6.7 | 2         |
| 186 | Enriching Propane/Propylene Mixture by Selective Propylene Hydroformylation: Economic and Environmental Impact Analyses. ACS Sustainable Chemistry and Engineering, 2020, 8, 5140-5146.  | 6.7 | 2         |
| 187 | Expectations for Manuscripts on Industrial Ecology in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 9599-9600.  | 6.7 | 2         |
| 188 | ACS Sustainable Chemistry & Engineering Welcomes Expanded Editorial Boards with New Initiatives. ACS Sustainable Chemistry and Engineering, 2021, 9, 1-2.  | 6.7 | 2         |
| 189 | ACS Sustainable Chemistry & Engineering Welcomes Manuscripts on Advanced E-Waste Recycling. ACS Sustainable Chemistry and Engineering, 2021, 9, 3624-3625.   | 6.7 | 2         |
| 190 | Highly Selective Isobutane Hydroxylation by Ozone in a Pressure-Tuned Biphasic Gas-Liquid Process. ACS Sustainable Chemistry and Engineering, 2021, 9, 5506-5512.  | 6.7 | 2         |
| 191 | Gas Expanded Liquids for Sustainable Catalysis. , 2013, , 5-36.  |     | 2         |
| 192 | PREDICTION OF CRITICAL PROPERTIES OF 1-HEXENE/HEXENE ISOMERS/CARBON DIOXIDE MIXTURES WITH A CUBIC EOS: SENSITIVITY TO MIXTURE COMPOSITION AND TO THE PATH OF APPROACH TO CRITICAL POINTS. Chemical Engineering Communications, 1993, 125, 121-137. | 2.6 | 1         |
| 193 | Continuous Heterogeneous Catalytic Hydrogenation of Organic Compounds in Supercritical CO <sub>2</sub> . Chemical Industries, 2002, , .  | 0.1 | 1         |
| 194 | Green Methods for Processing and Utilizing Metal Complexes. ACS Symposium Series, 2009, , 274-289.   | 0.5 | 1         |
| 195 | Tapered element oscillating microbalance (TEOM) studies of isobutane, n-butane and propane sorption in zeolites. AIChE Journal, 2010, 56, 1285-1296.   | 3.6 | 1         |
| 196 | Rapid Room Temperature Synthesis of Ce-MCM-48: An Active Catalyst for trans-Stilbene Epoxidation with tert-Butyl Hydroperoxide. ACS Symposium Series, 2013, , 213-228.   | 0.5 | 1         |
| 197 | Sustainable Processes With Supercritical Fluids. , 2017, , 653-662.  |     | 1         |
| 198 | Development of a Sustainable and Economically Viable Process for Making Ethylene Oxide: A Case Study. , 2017, , 373-385.   |     | 1         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 199 | Lattice strained bimetallic PtPd nanocatalysts display multifunctional nature for transfer hydrogenolysis of sorbitol in base-free medium. <i>Materials Today Sustainability</i> , 2020, 10, 100047.                    | 4.1 | 1         |
| 200 | Constant Renewal: An Open Call for <i>ACS Sustainable Chemistry &amp; Engineering</i> Editorial Advisory Board and Early Career Board Members. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12731-12732. | 6.7 | 1         |
| 201 | Solubility of Carbon Dioxide in Carboxylation Reaction Mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 8375-8385.  | 3.7 | 1         |
| 202 | Global Recognition for Green and Sustainable Chemistry and Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .   | 6.7 | 1         |
| 203 | Selective ozone activation of phenanthrene in liquid CO <sub>2</sub> . <i>RSC Advances</i> , 2021, 12, 626-630.   | 3.6 | 1         |
| 204 | Building Pathways to a Sustainable Planet. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1-2.  | 6.7 | 1         |
| 205 | Expectations for Perspectives in ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16528-16530.  | 6.7 | 1         |
| 206 | A PHYSICOCHEMICAL BASIS FOR FILM NONUNIFORMITIES IN SELECTIVE EPITAXIAL GROWTH. <i>Chemical Engineering Communications</i> , 1995, 140, 131-138.  | 2.6 | 0         |
| 207 | Arvind Varma: Educator, Researcher and Leader. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 8957-8959.  | 3.7 | 0         |
| 208 | Catalytic Oxidation Reactions in Carbon Dioxide-Expanded Liquids Using the Green Oxidants Oxygen and Hydrogen Peroxide. <i>ACS Symposium Series</i> , 2009, , 145-190.  | 0.5 | 0         |
| 209 | <i>ACS Sustainable Chemistry &amp; Engineering</i> ™s Impact Factor Continues To Rise. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5617-5617.   | 6.7 | 0         |
| 210 | LCA for Green Chemical Synthesisâ€”Terephthalic Acid. , 2017, , 387-396.  |     | 0         |
| 211 | Remembering Professor, Academician, and Editor Lina Zhang. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16385-16385.   | 6.7 | 0         |
| 212 | The Changing Structure of Scientific Communication: Expanding the Nature of Letters Submissions to ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8469-8470.      | 6.7 | 0         |
| 213 | Gas Expanded Liquids for Sustainable Catalysis. , 2012, , 199-221.  |     | 0         |