

# Alain Favre-RÃ©guillon

## List of Publications by Year in descending order

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104  
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147566

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docs citations

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times ranked

3404  
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#	ARTICLE	IF	CITATIONS
1	Mechanistic Insights into the Aerobic Oxidation of Aldehydes: Evidence of Multiple Reaction Pathways during the Liquid Phase Oxidation of 2-Ethylhexanal. <i>Organic Process Research and Development</i> , 2022, 26, 335-346.	1.3	9
2	Process intensification of the catalytic hydrogenation of squalene using a Pd/CNT catalyst combining nanoparticles and single atoms in a continuous flow reactor. <i>Chemical Engineering Journal</i> , 2022, 441, 135951.	6.6	15
3	Control of the single atom/nanoparticle ratio in Pd/C catalysts to optimize the cooperative hydrogenation of alkenes. <i>Catalysis Science and Technology</i> , 2021, 11, 984-999.	2.1	30
4	Aerobic Oxidative Cleavage of Vicinal Diol Fatty Esters by a Supported Ruthenium Hydroxide Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13167-13175.	3.2	18
5	Insights in uranium extraction from spent nuclear fuels using dicyclohexano-18-crown-6 â€œ Fate of rhenium as technetium homolog. <i>Separation and Purification Technology</i> , 2019, 209, 338-342.	3.9	26
6	Direct Synthesis of Nitriles from Carboxylic Acids Using Indium-Catalyzed Transnitration: Mechanistic and Kinetic Study. <i>ACS Catalysis</i> , 2019, 9, 9705-9714.	5.5	10
7	Continuous flow aerobic alcohol oxidation using a heterogeneous Ru <sup>0</sup> catalyst. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 550-558.	1.9	10
8	Effect of mesoporous carbon support nature and pretreatments on palladium loading, dispersion and apparent catalytic activity in hydrogenation of myrcene. <i>Journal of Catalysis</i> , 2019, 372, 226-244.	3.1	29
9	Improved Reactor Productivity for the Safe Photo-Oxidation of Citronellol Under Visible Light LED Irradiation. <i>ChemPhotoChem</i> , 2019, 3, 119-119.	1.5	0
10	Online monitoring by infrared spectroscopy using multivariate analysis â€œ background theory and application to catalytic dehydrogenative coupling of butanol to butyl butyrate. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 909-918.	1.9	6
11	Reinvestigation of the Organocatalyzed Aerobic Oxidation of Aldehydes to Acids. <i>Organic Letters</i> , 2019, 21, 10134-10138.	2.4	38
12	Improved Reactor Productivity for the Safe Photoâ€œOxidation of Citronellol Under Visible Light LED Irradiation. <i>ChemPhotoChem</i> , 2019, 3, 122-128.	1.5	16
13	Deeper Mechanistic Insight into Ru Pincer-Mediated Acceptorless Dehydrogenative Coupling of Alcohols: Exchanges, Intermediates, and Deactivation Species. <i>ACS Catalysis</i> , 2018, 8, 4719-4734.	5.5	64
14	Simple and selective conversion of fructose into HMF using extractive-reaction process in microreactor. <i>Journal of Flow Chemistry</i> , 2018, 8, 3-9.	1.2	28
15	Continuous flow oxidation of benzylic and aliphatic alcohols using bleach: process improvement by precise pH adjustment in flow with CO <sub>2</sub> . <i>Reaction Chemistry and Engineering</i> , 2018, 3, 188-194.	1.9	10
16	Selective Synthesis of 3-O-Palmitoyl-Silybin, a New-to-Nature Flavonolignan with Increased Protective Action against Oxidative Damages in Lipophilic Media. <i>Molecules</i> , 2018, 23, 2594.	1.7	32
17	Effects of photoperiod regimes and ultraviolet-C radiations on biosynthesis of industrially important lignans and neolignans in cell cultures of <i>Linum usitatissimum</i> L. (Flax). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 167, 216-227.	1.7	39
18	Epoxidation of methyl oleate with molecular oxygen: Implementation of Mukaiyama reaction in flow. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600281.	1.0	21

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19	Metal-free, visible light-promoted aerobic aldehydes oxidation. <i>Journal of Flow Chemistry</i> , 2016, 6, 206-210.	1.2	12
20	Epoxidation using molecular oxygen in flow: facts and questions on the mechanism of the Mukaiyama epoxidation. <i>Catalysis Science and Technology</i> , 2016, 6, 4724-4732.	2.1	35
21	Continuous, Fast, and Safe Aerobic Oxidation of 2-Ethylhexanal: Pushing the Limits of the Simple Tube Reactor for a Gas/Liquid Reaction. <i>Organic Process Research and Development</i> , 2016, 20, 90-94.	1.3	31
22	Gas-liquid Segmented Flow Microfluidics for Screening Copper/TEMPO-Catalyzed Aerobic Oxidation of Primary Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 739-746.	2.1	32
23	Comment on "Life Cycle Carbon Footprint of Linear Alkylbenzenesulfonate from Coconut Oil, Palm Kernel Oil, and Petroleum-Based Paraffins" ACS Sustainable Chemistry and Engineering, 2015, 3, 1686-1687.	3.2	0
24	Water Soluble PDCA Derivatives for Selective Ln(III)/An(III) and Am(III)/Cm(III) Separation. <i>Solvent Extraction and Ion Exchange</i> , 2015, 33, 224-235.	0.8	26
25	Aerobic oxidation of aldehydes: selectivity improvement using sequential pulse experimentation in continuous flow microreactor. <i>RSC Advances</i> , 2014, 4, 57159-57163.	1.7	21
26	Straightforward access to cyclic amines by dinitriles reduction. <i>Tetrahedron</i> , 2014, 70, 975-983.	1.0	15
27	Insights in the aerobic oxidation of aldehydes. <i>RSC Advances</i> , 2013, 3, 18931.	1.7	51
28	Comments on "Nanoporous aluminosilicate mediated transacetalization reactions: application in glycerol valorization" by A. E. Graham et al., <i>Catal. Sci. Technol.</i> , 2012, 2, 2258. <i>Catalysis Science and Technology</i> , 2013, 3, 1644.	2.1	0
29	Unraveling the Catalytic Cycle of Tertiary Phosphine Oxides Reduction with Hydrosiloxane and Ti(O <i>i</i> Pr) <sub>4</sub> through EPR and <sup>29</sup> Si NMR Spectroscopy. <i>ACS Catalysis</i> , 2013, 3, 1431-1438.	5.5	25
30	Methanol dehydration over commercially available zeolites: Effect of hydrophobicity. <i>Catalysis Today</i> , 2013, 215, 239-242.	2.2	30
31	Unusual reactivities of acridine derivatives in catalytic hydrogenation. A combined experimental and theoretical study. <i>Journal of Molecular Catalysis A</i> , 2013, 371, 63-69.	4.8	6
32	A Safe and Efficient Flow Oxidation of Aldehydes with O <sub>2</sub> . <i>Organic Letters</i> , 2013, 15, 5978-5981.	2.4	80
33	Synthesis and evaluation of P-chirogenic monodentate binaphthyl phosphines. <i>Tetrahedron Letters</i> , 2012, 53, 5984-5986.	0.7	11
34	Upgrading of biomass transformation residue: influence of gas flow composition on acetic acid ketonic condensation. <i>Catalysis Science and Technology</i> , 2012, 2, 359-363.	2.1	13
35	Cloud point and solvent extraction study of uranium(VI) by 8-hydroxyquinoline. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1497-1501.	1.6	11
36	An Improved and Safer Synthesis of (R)- and (S)-4,4'-Diaminomethyl-BINAP. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3074-3078.	1.2	9

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37	Energetic valorisation of olive mill wastewater impregnated on low cost absorbent: Sawdust versus olive solid waste. <i>Energy</i> , 2012, 39, 74-81.	4.5	44
38	A new valorisation strategy of olive mill wastewater: Impregnation on sawdust and combustion. <i>Resources, Conservation and Recycling</i> , 2012, 59, 4-8.	5.3	44
39	EDTA and DTPA modified ligands as sequestering agents for uranyl decorporation. <i>Tetrahedron</i> , 2012, 68, 1163-1170.	1.0	22
40	Solvent effects in liquid-phase dehydration reaction of ethanol to diethylether catalysed by sulfonic-acid catalyst. <i>Applied Catalysis A: General</i> , 2011, 394, 276-280.	2.2	20
41	Sequestering agent for uranyl chelation: new binaphthyl ligands. <i>Tetrahedron Letters</i> , 2011, 52, 3973-3977.	0.7	13
42	Hydrosiloxaneâ€”Ti(OiPr) <sub>4</sub> : an efficient system for the reduction of primary amides into primary amines as their hydrochloride salts. <i>Tetrahedron Letters</i> , 2011, 52, 4072-4075.	0.7	43
43	Study on the Cloud Point Extraction of Gd(III) with 8-Hydroxyquinoline. <i>Separation Science and Technology</i> , 2011, 46, 611-615.	1.3	12
44	Separation of lanthanides(III) by inorganic nanofiltration membranes using a water soluble complexing agent. <i>Journal of Membrane Science</i> , 2010, 348, 41-46.	4.1	13
45	Combined process for the treatment of olive oil mill wastewater: Absorption on sawdust and combustion of the impregnated sawdust. <i>Bioresource Technology</i> , 2010, 101, 6962-6971.	4.8	50
46	A mild titanium-based system for the reduction of amides to aldehydes. <i>Tetrahedron Letters</i> , 2010, 51, 2092-2094.	0.7	49
47	Selective Adsorption of Neutral Nitrogen Compounds from Fuel Using Ion-Exchange Resins. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 4849-4853.	1.0	57
48	Stereochemistry effect of dicyclohexano-18-crown-6 on zinc isotope separation. <i>New Journal of Chemistry</i> , 2010, 34, 388.	1.4	5
49	A straightforward synthesis of unsymmetrical secondary phosphine boranes. <i>Green Chemistry</i> , 2010, 12, 326.	4.6	45
50	A mild and efficient method for the reduction of nitriles. <i>Tetrahedron Letters</i> , 2009, 50, 7005-7007.	0.7	81
51	Straightforward selective synthesis of linear 1-O-alkyl glycerol and di-glycerol monoethers. <i>Tetrahedron Letters</i> , 2009, 50, 6891-6893.	0.7	45
52	Epimerase activity of the human 11Î²-hydroxysteroid dehydrogenase type 1 on 7-hydroxylated C19-steroids. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 114, 57-63.	1.2	27
53	Selective Extraction of Neutral Nitrogen-Containing Compounds from Straight-Run Diesel Feed Using Polymer-Supported Ionic Liquid Moieties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 3973-3977.	1.8	24
54	Mechanistic Insight into the Reduction of Tertiary Phosphine Oxides by Ti(O <i>i</i> -Pr) <sub>4</sub> /TMDS. <i>Organometallics</i> , 2009, 28, 6379-6382.	1.1	90

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55	Synthesis of original capping calixarenes with DTPA fragment. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2008, 61, 187-193.	1.6	10
56	Radiation chemistry of cis-syn-cis dicyclohexano-18-crown-6 (DCH18C6): Acidity and uranyl nitrate dependence. <i>Radiation Physics and Chemistry</i> , 2008, 77, 581-584.	1.4	14
57	Sequestering agent for uranyl chelation: a new family of CAMS ligands. <i>Tetrahedron</i> , 2008, 64, 6662-6669.	1.0	20
58	Sequestering agents for uranyl chelation: new calixarene ligands. <i>Tetrahedron</i> , 2008, 64, 11319-11324.	1.0	28
59	Selective extraction of neutral nitrogen compounds found in diesel feed by 1-butyl-3-methyl-imidazolium chloride. <i>Green Chemistry</i> , 2008, 10, 524.	4.6	84
60	Deep Desulfurization of Diesel Feedstock by Selective Adsorption of Refractory Sulfur Compounds. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 9617-9622.	1.8	17
61	Selective removal of dissolved uranium in drinking water by nanofiltration. <i>Water Research</i> , 2008, 42, 1160-1166.	5.3	102
62	Selective Extraction and Identification of Neutral Nitrogen Compounds Contained in Straight-Run Diesel Feed Using Chloride Based Ionic Liquid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 8801-8807.	1.8	58
63	A Catalytic Method for the Reduction of Secondary and Tertiary Phosphine Oxides. <i>Synlett</i> , 2007, 2007, 1545-1548.	1.0	22
64	Solid/Liquid Extraction of Zirconium and Hafnium in Hydrochloric Acid Aqueous Solution with Anion Exchange Resin Kinetic Study and Equilibrium Analyses. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 1286-1291.	1.8	14
65	Synthesis of pyridine-based polyaminocarboxylic ligands bearing a thioalkyl anchor. <i>Tetrahedron Letters</i> , 2007, 48, 3463-3466.	0.7	14
66	Nanofiltration assisted by complexation: A promising process for the separation of trivalent long-lived minor actinides from lanthanides. <i>Comptes Rendus Chimie</i> , 2007, 10, 994-1000.	0.2	10
67	Zirconium and Hafnium Separation, Part 1. Liquid/Liquid Extraction in Hydrochloric Acid Aqueous Solution with Aliquat 336. <i>Separation Science and Technology</i> , 2006, 41, 1927-1940.	1.3	37
68	Zirconium and Hafnium Separation, Part 2. Solid/Liquid Extraction in Hydrochloric Acid Aqueous Solution with Anion Exchange Resins. <i>Separation Science and Technology</i> , 2006, 41, 2711-2722.	1.3	27
69	Polyaminocarboxylic acids rejection by charged nanofiltration membrane. <i>Journal of Membrane Science</i> , 2006, 279, 446-452.	4.1	8
70	Temperature-induced surfactant-mediated pre-concentration of uranium assisted by complexation. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1872-1876.	1.6	19
71	Design of Gold Nanoparticles for Magnetic Resonance Imaging. <i>Advanced Functional Materials</i> , 2006, 16, 2330-2339.	7.8	209
72	Rejection of Gd(III) by nanofiltration assisted by complexation on charged organic membrane: Influences of pH, pressure, flux, ionic strength and temperature. <i>Journal of Membrane Science</i> , 2005, 267, 41-49.	4.1	27

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73	Lanthanum(III) and gadolinium(III) separation by cloud point extraction. <i>Journal of Colloid and Interface Science</i> , 2005, 291, 303-306.	5.0	42
74	Cloud-Point Extraction for Selective Removal of Gd(III) and La(III) with 8-Hydroxyquinoline. <i>Separation Science and Technology</i> , 2005, 40, 611-622.	1.3	16
75	Selective Rejection of Dissolved Uranium Carbonate from Seawater Using Cross-Flow Filtration Technology. <i>Separation Science and Technology</i> , 2005, 40, 623-631.	1.3	11
76	Ultra-deep desulfurization of transportation fuels via charge-transfer complexes under ambient conditions. <i>Green Chemistry</i> , 2005, 7, 413.	4.6	49
77	Regioselectively N-Functionalised 14-Membered Azapyridinomacrocycles Bearing Trialkanoic Acid Side Chains as Ligands for Lanthanide Ions. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4424-4436.	1.2	17
78	Cs <sup>+</sup> /Na <sup>+</sup> Separation by Nanofiltration-Complexation with Resorcinarene. <i>Separation Science and Technology</i> , 2004, 39, 2577-2595.	1.3	7
79	Novel Methodology toward Deep Desulfurization of Diesel Feed Based on the Selective Elimination of Nitrogen Compounds. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 7843-7849.	1.8	61
80	Cloud point extraction: an alternative to traditional liquid-liquid extraction for lanthanides(III) separation. <i>Talanta</i> , 2004, 63, 803-806.	2.9	45
81	Effect of Mixed Pendant Groups on the Solution Properties of 12-Membered Azapyridinomacrocycles: Evaluation of the Protonation Constants and the Stability Constants of the Europium(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2834-2838.	1.0	11
82	New water-soluble calix[4]arene-bis(benzocrown-6) for caesium-sodium separation by nanofiltration-complexation. <i>Tetrahedron</i> , 2003, 59, 10313-10324.	1.0	16
83	Europium(III) complex formed with pyridine containing azamacrocyclic triacetate ligand: characterization by sensitized Eu(III) luminescence. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 156, 23-29.	2.0	25
84	Influence of the Membrane Pore Conductance on Tangential Streaming Potential. <i>Langmuir</i> , 2003, 19, 8867-8871.	1.6	65
85	Selective Concentration of Uranium from Seawater by Nanofiltration. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 5900-5904.	1.8	67
86	SYNTHESIS AND EVALUATION OF RESORCINOL-BASED ION-EXCHANGE RESINS FOR THE SELECTIVE REMOVAL OF CESIUM. <i>Solvent Extraction and Ion Exchange</i> , 2001, 19, 181-191.	0.8	26
87	Regioselective synthesis of N-functionalized 12-membered azapyridinomacrocycles bearing trialkylcarboxylic acid side chains. <i>Tetrahedron</i> , 2001, 57, 4713-4718.	1.0	33
88	REMOVAL OF <sup>243</sup> Am WITH PHENOL BASED RESINS. <i>Separation Science and Technology</i> , 2001, 36, 899-909.	1.3	3
89	DESIGN OF ION-EXCHANGE RESINS SELECTIVE OF CAESIUM. SYNERGISTIC EFFECT OF MACROCYCLE IN PHENOLIC RESINS. <i>Separation Science and Technology</i> , 2001, 36, 367-379.	1.3	2
90	An ESR Study of <sup>13</sup> Irradiated P4VP Polymers : Dose-Effect Relationships. <i>Chemistry Letters</i> , 2000, 29, 710-711.	0.7	1

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91	An efficient synthesis of pyridine containing triaza-macrocyclic triacetate ligand and luminescence properties of its europium(III) complex. <i>Tetrahedron Letters</i> , 2000, 41, 7443-7446.	0.7	25
92	Selective Separation of Lanthanides with Phenolic Resins: Extraction Behavior and Thermal Stability. <i>Separation Science and Technology</i> , 2000, 35, 1117-1132.	1.3	26
93	Ion Selective Resins: Development and Applications for Nuclear Waste Management. <i>Materials Research Society Symposia Proceedings</i> , 1999, 556, 1277.	0.1	2
94	Template Effect in Caesium Selective Phenolic Resins. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1998, 32, 477-484.	1.6	3
95	Caesium-Selective Imprinted Phenolic Resins. , 1998, , 329-332.		1
96	Synthesis and Evaluation of New Ionoselective Materials. , 1998, , 197-202.		0
97	Radiochemical Stability of Dicyclohexano-18-Crown-6 Ether (DCH18C6) and its Use in a Recovery Process of Strontium from Acidic Nuclear Waste Stream. <i>Radiochimica Acta</i> , 1997, 78, 105-110.	0.5	8
98	Selective Cesium Removal from a Sodium Nitrate Aqueous Medium by Nanofiltrationâ€™Complexation. <i>Separation Science and Technology</i> , 1997, 32, 2309-2320.	1.3	37
99	Elimination of Vanadium and Arsenic from VKCs Catalysts. <i>Separation Science and Technology</i> , 1997, 32, 2591-2605.	1.3	1
100	Selective extraction of palladium from acidic nitrate solutions with thiamacrocycles-synergized dinonylnaphthalenesulfonic acid systems. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1997, 220, 105-107.	0.7	9
101	Polymeric and immobilized crown compounds, material for ion separation. <i>Tetrahedron</i> , 1997, 53, 1343-1360.	1.0	24
102	Extraction of Cesium from an Alkaline Leaching Solution of Spent Catalysts Using an Ion-Exchange Column. <i>Separation Science and Technology</i> , 1996, 31, 1001-1010.	1.3	37
103	Synthesis and evaluation of new polyurethane â€™ based material for ion separation. <i>Tetrahedron Letters</i> , 1995, 36, 6439-6442.	0.7	6
104	New polyether-based ionoselective materials. <i>Advanced Materials</i> , 1994, 6, 484-486.	11.1	9