

Alexandre F T Yokochi

List of Publications by Year in descending order

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53
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1,841
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docs citations

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times ranked

2538
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Characterization of Si- and SiC-Based PWM Inverter Bearing Currents Using Probability Density Functions. <i>Energies</i> , 2022, 15, 3043.	1.6	4
2	High Performance Electric Vehicle Powertrain Modeling, Simulation and Validation. <i>Energies</i> , 2021, 14, 1493.	1.6	26
3	Methane Coupling to Ethylene and Longer-Chain Hydrocarbons by Low-Energy Electrical Discharge in Microstructured Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6950-6958.	1.8	6
4	Current Technologies in Depolymerization Process and the Road Ahead. <i>Polymers</i> , 2021, 13, 449.	2.0	70
5	An Overview of Electric Machine Trends in Modern Electric Vehicles. <i>Machines</i> , 2020, 8, 20.	1.2	85
6	Electric Vehicle (EV) Chassis Dynamometer Testing. , 2020, , .		4
7	Non-catalytic ethane cracking using concentrated solar energy. <i>Chemical Engineering Journal</i> , 2019, 355, 58-64.	6.6	7
8	Advanced Electric Vehicle Fast-Charging Technologies. <i>Energies</i> , 2019, 12, 1839.	1.6	115
9	Current Li-Ion Battery Technologies in Electric Vehicles and Opportunities for Advancements. <i>Energies</i> , 2019, 12, 1074.	1.6	444
10	Power Electronics Testbed for Converting Methane to Liquid Fuels via Electrical Corona. , 2018, , .		0
11	Dry Reforming in a Milli-Scale Reactor Driven by Simulated Sunlight. <i>ChemEngineering</i> , 2018, 2, 50.	1.0	2
12	A rapid PMU-based load composition and PMU estimation method. <i>Electric Power Systems Research</i> , 2017, 143, 44-52.	2.1	6
13	Degradation of diuron via an electrochemical advanced oxidation process in a microscale-based reactor. <i>Chemical Engineering Journal</i> , 2016, 292, 298-307.	6.6	46
14	Rapid grid state estimation using Singular Value Decomposition similarity matching. , 2015, , .		0
15	Experimental modeling of hydrogen producing steps in a novel sulfur-sulfur thermochemical water splitting cycle. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2484-2492.	3.8	6
16	Advancing wave energy converter array-to-grid transmission systems. , 2015, , .		0
17	Accelerated aging methods for evaluating carbon electrode materials. , 2014, , .		0
18	Research and ocean testing solutions to advance the wave energy industry. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Electrochemical antifouling technology for replacement of heavy metal and organic biocides in marine hydrokinetic energy generation. , 2014, , .		0
20	Wave energy power transmission lines: Electric and magnetic field propagation. , 2014, , .		0
21	Supercapacitor performance characterization for renewables applications. , 2014, , .		3
22	Rapid bidirectional power flow of supercapacitor energy storage systems through grid-tied inverters for improved renewables integration. , 2013, , .		2
23	Diffusion of dissolved ions from wet silica sol-gel monoliths: Implications for biological encapsulation. Colloids and Surfaces B: Biointerfaces, 2013, 102, 611-619.	2.5	11
24	Supercapacitor energy storage systems for voltage and power flow stabilization. , 2013, , .		15
25	Effect of packing fraction on ferromagnetic resonance in NiFe ₂ O ₄ nanocomposites. Journal of Applied Physics, 2012, 111, 07E348.	1.1	6
26	Comparison of Direct-Drive Power Takeoff Systems for Ocean Wave Energy Applications. IEEE Journal of Oceanic Engineering, 2012, 37, 35-44.	2.1	53
27	Ferromagnetic resonance study on NiFe ₂ O ₄ nanocomposites. , 2011, , .		0
28	Supercapacitor energy storage for wind energy integration. , 2011, , .		11
29	Development of an option in Nanotechnology: Elements of Student learning. , 2011, , .		0
30	Optimal Energy Storage Sizing and Control for Wind Power Applications. IEEE Transactions on Sustainable Energy, 2010, , .	5.9	220
31	Structural and Synthetic Investigations of Tanikolide Dimer, a SIRT2 Selective Inhibitor, and Tanikolide <i>seco</i> -Acid from the Madagascar Marine Cyanobacterium <i>Lyngbya majuscula</i> . Journal of Organic Chemistry, 2009, 74, 5267-5275.	1.7	56
32	Integration of thermoelectrics and photovoltaics as auxiliary power sources in mobile computing applications. Journal of Power Sources, 2008, 177, 239-246.	4.0	37
33	A sustainable power architecture for mobile computing systems. Journal of Power Sources, 2008, 178, 467-475.	4.0	9
34	Structure and physical properties of BaCuTeF. Journal of Solid State Chemistry, 2007, 180, 1672-1677.	1.4	30
35	Numerical and Experimental Modeling of Direct-Drive Wave Energy Extraction Devices. , 2007, , .		2
36	Stereochemistry of Contiguous Cyclopropane Formation from Cascade Cyclization of a Skipped Dienyl Homoallyl Triflate.. ChemInform, 2005, 36, no.	0.1	0

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37	Neurotoxic Meroditerpenoids from the Tropical Marine Brown Alga <i>Styopodium flabelliforme</i> . <i>Journal of Natural Products</i> , 2005, 68, 1022-1030.	1.5	67
38	Stereochemistry of contiguous cyclopropane formation from cascade cyclization of a skipped dienylyl homoallyl triflate. <i>Chemical Communications</i> , 2004, , 2846.	2.2	8
39	Vanadium-Catalyzed Selenide Oxidation with in situ [2,3] Sigmatropic Rearrangement (SOS Reaction): Scope and Asymmetric Applications.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
40	Unified Synthesis of C19 α -C26 Subunits of Amphidinolides B1, B2, and B3 by Exploiting Unexpected Stereochemical Differences in Crimmins' and Evans' Aldol Reactions. <i>Journal of Organic Chemistry</i> , 2004, 69, 2569-2572.	1.7	47
41	Vanadium-catalyzed selenide oxidation with in situ [2,3] sigmatropic rearrangement (SOS reaction): scope and asymmetric applications. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1315-1329.	1.5	22
42	Structure and Absolute Stereochemistry of Hectochlorin, a Potent Stimulator of Actin Assembly. <i>Journal of Natural Products</i> , 2002, 65, 866-871.	1.5	159
43	Thermal Stability of Tris(3,5-dimethylpyrazolyl)hydridoboratorhenium(V)(oxo)- (1,2-dithiolate) and -(1,2-monothiodiolate) Complexes and DFT Studies of C α -S Bond Cleavage. <i>Organometallics</i> , 2002, 21, 929-933.	1.1	5
44	Transannular Nitron Cycloaddition. A Stereocontrolled Entry to the Spirocyclic Core of Pinnaic Acid. <i>Organic Letters</i> , 2001, 3, 413-415.	2.4	48
45	Asymmetric synthesis of (+)-loline, a pyrrolizidine alkaloid from rye grass and tall fescue. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 1831-1847.	1.3	44
46	X-ray diffractometric study of microcrystallite size of naturally colored cottons. <i>Journal of Applied Polymer Science</i> , 2000, 76, 1466-1471.	1.3	25
47	Selectivity in alkylation: the reaction between Ru ₂ (LL) ₄ Cl and Me ₃ SnC ⁺ CR (LL=2-anilinopyridine,) <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	0.8	21
48	Asymmetric synthesis of dimethyl swazinecate and structural confirmation of its parent alkaloid (α^{ω})-swazine. <i>Chemical Communications</i> , 1998, , 603-604.	2.2	3
49	Catalytic deoxygenation of epoxides with (Cp*ReO) ₂ (η^5 -O) ₂ and catalyst deactivation. <i>Chemical Communications</i> , 1998, , 799-800.	2.2	17
50	Structural Characterization of Dirhenium(II) Complexes of the Type Re ₂ Cl ₄ (η^5 -PP)(PR ₃) ₂ , Where PP Represents a Bridging Phosphine of the Type R ₂ PCH ₂ PR ₂ or R ₂ PNHPR ₂ . <i>Inorganic Chemistry</i> , 1998, 37, 372-375.	1.9	12
51	Tandem Ring-Closing Metathesis Transannular Cyclization as a Route to Hydroxylated Pyrrolizidines. Asymmetric Synthesis of (+)-Australine. <i>Journal of the American Chemical Society</i> , 1998, 120, 7359-7360.	6.6	80
52	Parametric Study of Hydrocarbon Chain Growth from Methane via a Nonthermal Plasma Discharge Microreactor. <i>Industrial & Engineering Chemistry Research</i> , 0, , .	1.8	2
53	CO ₂ Reduction by Multiple Low-Energy Electric Discharges in a Microstructured Reactor: Experiments and Modeling. <i>Industrial & Engineering Chemistry Research</i> , 0, , .	1.8	4