Andrzej B Jarzebski

List of Publications by Year
in descending order

68	2,467	218592	197736
papers	citations	26	49
		h-index	g-index

69	69	69	2846
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering of continuous bienzymatic cascade process using monolithic microreactors â€“ In flow synthesis of trehalose. Chemical Engineering Journal, 2022, 427, 131439.	6.6	8
2	Rotating bed reactor packed with heterofunctional structured silica-supported lipase. Developing an effective system for the organic solvent and aqueous phase reactions. Microporous and Mesoporous Materials, 2021, 312, 110789.	2.2	13
3	Engineering and Performance of Ruthenium Complexes Immobilized on Mesoporous Siliceous Materials as Racemization Catalysts. Catalysts, 2021, 11, 316.	1.6	3
4	Lipase Immobilized on MCFs as Biocatalysts for Kinetic and Dynamic Kinetic Resolution of sec-Alcohols. Catalysts, 2021, 11, 518.	1.6	10
5	Catalytic Functionalized Structured Monolithic Micro-/Mesoreactors: Engineering, Properties, and Performance in Flow Synthesis: An Overview and Guidelines. Frontiers in Chemical Engineering, 2021, 3, .	1.3	5
6	Immobilization of the Highly Active UDP-Glucose Pyrophosphorylase From Thermocrispum agreste Provides a Highly Efficient Biocatalyst for the Production of UDP-Glucose. Frontiers in Bioengineering and Biotechnology, 2020, 8, 740.	2.0	5
7	Leloir Glycosyltransferases in Applied Biocatalysis: A Multidisciplinary Approach. International Journal of Molecular Sciences, 2019, 20, 5263.	1.8	63
8	Stable Immobilization of Enzymes in a Macro- and Mesoporous Silica Monolith. ACS Omega, 2019, 4, 7795-7806.	1.6	30
9	Hydroxynitrile lyases covalently immobilized in continuous flow microreactors. Catalysis Science and Technology, 2019, 9, 1189-1200.	2.1	38
10	A novel hierarchically structured siliceous packing to boost the performance of rotating bed enzymatic reactors. Chemical Engineering Journal, 2017, 315, 18-24.	6.6	21
11	Batch and in-flow kinetic resolution of racemic 1-(N-acylamino)alkylphosphonic and 1-(N-acylamino)alkylphosphinic acids and their esters using immobilized penicillin G acylase. Tetrahedron: Asymmetry, 2017, 28, 146-152.	1.8	13
12	Kinetics of Enantiomerically Enriched Synthesis of Solketal Esters Using Native and SBA-15 supported P. Fluorescens Lipase. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2017, 38, 209-215.	0.7	0
13	Synthesis and Textural Characterization of Mesoporous and Meso-/Macroporous Silica Monoliths Obtained by Spinodal Decomposition. Inorganics, 2016, 4, 9.	1.2	50
14	Silica-supported chlorometallate(<scp>iii</scp>) ionic liquids as recyclable catalysts for Dielsâ€“Alder reaction under solventless conditions. Catalysis Science and Technology, 2016, 6, 8129-8137.	2.1	30
15	Penicillin G acylase-mediated kinetic resolution of racemic 1-(N -acylamino)alkylphosphonic and 1-(N) Tj ETQq1 1 0.784314 rgBT /Ov 132, 31-40.	1.8	8
16	Low back-pressure hierarchically structured multichannel microfluidic bioreactors for rapid protein digestion â€“ Proof of concept. Chemical Engineering Journal, 2016, 287, 148-154.	6.6	40
17	Covalently immobilized lipase on aminoalkyl-, carboxy- and hydroxy-multi-wall carbon nanotubes in the enantioselective synthesis of Solketal esters. Enzyme and Microbial Technology, 2016, 87-88, 61-69.	1.6	33
18	MsAcT in siliceous monolithic microreactors enables quantitative ester synthesis in water. Catalysis Science and Technology, 2016, 6, 4882-4888.	2.1	37

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19	Rapid continuous microwave-assisted synthesis of silver nanoparticles to achieve very high productivity and full yield: from mechanistic study to optimal fabrication strategy. Journal of Nanoparticle Research, 2015, 17, 27.	0.8	31
20	Fabrication and performance of monolithic continuous-flow silica microreactors. Chemical Engineering Journal, 2015, 282, 137-141.	6.6	11
21	Immobilisation of tyrosinase on siliceous cellular foams affording highly effective and stable biocatalysts. Chemical Papers, 2015, 69, .	1.0	3
22	Determination of Ag+ and Cu2+ ions in mixture samples obtained in the microwave assisted polyol process by differential pulse anodic stripping voltammetry (DPASV) method. Open Chemistry, 2014, 13, .	1.0	0
23	Immobilization of an integral membrane protein for biotechnological phenylacetaldehyde production. Journal of Biotechnology, 2014, 174, 7-13.	1.9	19
24	Screening of lipase carriers for reactions in water, biphasic and pure organic solvent systems. Acta Biochimica Polonica, 2014, 61, 1-6.	0.3	0
25	Alkaline lipase from Pseudomonas fluorescens non-covalently immobilised on pristine versus oxidised multi-wall carbon nanotubes as efficient and recyclable catalytic systems in the synthesis of Solketal esters. Enzyme and Microbial Technology, 2013, 53, 263-270.	1.6	30
26	Immobilization of invertase on silica monoliths with hierarchical pore structure to obtain continuous flow enzymatic microreactors of high performance. Microporous and Mesoporous Materials, 2013, 170, 75-82.	2.2	49
27	Laccase Immobilisation on Mesostructured Silicas. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2012, 33, 611-620.	0.7	6
28	Fabrication of silver nanoparticles in a continuous flow, low temperature microwave-assisted polyol process. Journal of Nanoparticle Research, 2011, 13, 2533-2541.	0.8	21
29	Screening of porous and cellular materials for covalent immobilisation of Agaricus bisporus tyrosinase. Biotechnology and Bioprocess Engineering, 2011, 16, 180-189.	1.4	19
30	Supported ionic liquid phase catalysis for aerobic oxidation of primary alcohols. Applied Catalysis A: General, 2010, 389, 179-185.	2.2	26
31	Very stable silica-gel-bound laccase biocatalysts for the selective oxidation in continuous systems. Bioresource Technology, 2010, 101, 2076-2083.	4.8	54
32	Application of Klein's equation for description of viscosity of nanofluid. Computer Aided Chemical Engineering, 2009, 26, 955-960.	0.3	4
33	Immobilization of Invertase on Mesoporous Silicas to Obtain Hyper Active Biocatalysts. Topics in Catalysis, 2009, 52, 1030-1036.	1.3	43
34	Laccase immobilization on mesostructured cellular foams affords preparations with ultra high activity. Process Biochemistry, 2009, 44, 191-198.	1.8	87
35	Supported hydrogensulfate ionic liquid catalysis in Baeyerâ€“Villiger reaction. Applied Catalysis A: General, 2009, 366, 22-28.	2.2	127
36	A benchmark study on the thermal conductivity of nanofluids. Journal of Applied Physics, 2009, 106, .	1.1	897

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37	Composite materials containing zeolitic layers deposited on the silica and silica/alumina porous monoliths. Studies in Surface Science and Catalysis, 2008, 174, 381-384.	1.5	1
38	Covalent immobilization of trypsin on to siliceous mesostructured cellular foams to obtain effective biocatalysts. Catalysis Today, 2007, 124, 2-10.	2.2	51
39	Application and properties of siliceous mesostructured cellular foams as enzymes carriers to obtain efficient biocatalysts. Microporous and Mesoporous Materials, 2007, 99, 167-175.	2.2	71
40	Effect of silica-type solâ€“gel carrierâ€™s structure and morphology on a supported Zieglerâ€“Natta catalyst for ethylene polymerization. European Polymer Journal, 2006, 42, 3085-3092.	2.6	5
41	FTIR Spectroscopic Study of Titanium-Containing Mesoporous Silicate Materials. Langmuir, 2005, 21, 10545-10554.	1.6	38
42	Preparation and Surface Properties of Low-Density Gels Synthesized Using Prepolymerized Silica Precursors. Langmuir, 2004, 20, 10389-10393.	1.6	12
43	Water Vapor Adsorption on the Solâ^'Gel Composites Prepared Using Ethyl Silicate 40 as a Silica Precursor. Langmuir, 2001, 17, 626-630.	1.6	10
44	Selective water sorbents for multiple applications, 8. sorption properties of CaCl2â^'SiO2 sol-gel composites. Reaction Kinetics and Catalysis Letters, 1999, 66, 113-120.	0.6	13
45	Preparation effects on zirconia aerogel morphology. Journal of Non-Crystalline Solids, 1998, 225, 115-119.	1.5	20
46	Two-component aerogel adsorbents of water vapour. Journal of Non-Crystalline Solids, 1998, 225, 184-187.	1.5	14
47	Surface Fractal Characteristics of Silica Aerogels. Langmuir, 1997, 13, 1280-1285.	1.6	52
48	Effective Inorganic Hybrid Adsorbents of Water Vapor by the Solâ^'Gel Method. Chemistry of Materials, 1997, 9, 2486-2490.	3.2	45
49	Thermostability and esterification activity ofMucor javanicus lipase entrapped in silica aerogel matrix and in organic solvents. Biotechnology Letters, 1997, 11, 9-11.	0.5	35
50	Structure of silica aerogels obtained from a single-step base catalyzed process boosted by fluorine anions. Journal of Non-Crystalline Solids, 1996, 204, 172-177.	1.5	1
51	Potentials and prospects for application of supercritical fluid technology in bioprocessing. Process Biochemistry, 1995, 30, 343-352.	1.8	34
52	A tentative physiological model of batch acetonobutylic fermentation. Applied Microbiology and Biotechnology, 1992, 37, 714-717.	1.7	9
53	Modelling of oscillatory behaviour in continuous ethanol fermentation. Biotechnology Letters, 1992, 14, 137-142.	1.1	43
54	Effect of drying with supercritical carbon dioxide on enhancement and modification of polymeric catalysts' activity. Chemical Engineering Science, 1992, 47, 1321-1322.	1.9	8

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55	4-Desmethylsterols from the marine bivalveMacoma balthica. Lipids, 1991, 26, 561-563.	0.7	5
56	Sterol composition of marine bivalves from the genus Macoma. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1990, 97, 81-82.	0.2	1
57	Seasonal changes in content and composition of sterols in the tissues of the bivalve Macoma balthica. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1989, 93, 711-713.	0.2	0
58	DRAG AND MASS TRANSFER IN SLOW NON-NEWTONIAN FLOWS OVER AN ENSEMBLE OF NEWTONIAN SPHERICAL DROPS OR BUBBLES. Chemical Engineering Communications, 1987, 49, 235-246.	1.5	19
59	Drag and mass transfer in a creeping flow of a carreau fluid over drops or bubbles. Canadian Journal of Chemical Engineering, 1987, 65, 680-684.	0.9	17
60	Anatomical distribution of lipids and sterols in Macoma balthica (L.). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1986, 85, 135-137.	0.2	13
61	Drag and mass transfer in multiple drop slow motion in a power law fluid. Chemical Engineering Science, 1986, 41, 2569-2573.	1.9	33
62	A stable highly accurate ADI method for hyperbolic heat conduction equation. Journal of Computational Physics, 1986, 63, 236-239.	1.9	8
63	Transient mass and heat transfer from drops or bubbles in slow non-Newtonian flows. Chemical Engineering Science, 1986, 41, 2575-2578.	1.9	8
64	Major sterols of bivalve molluscs from the inner puck bay, southern baltic. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1985, 81, 989-991.	0.2	5
65	Comments on â€˜some properties of the coefficient matrix of the differential equations for parallel-flow multichannel heat exchangersâ€™. International Journal of Heat and Mass Transfer, 1984, 27, 951.	2.5	0
66	Synthesis and structure-activity relationships of amides of amphotericin B.. Journal of Antibiotics, 1982, 35, 220-229.	1.0	31
67	The synthesis of amides of polyene macrolide antibiotics.. Journal of Antibiotics, 1980, 33, 103-104.	1.0	20
68	Zero latent roots of the coefficient matrix in the equation of multichannel exchangers. International Journal of Heat and Mass Transfer, 1974, 17, 1116-1118.	2.5	11