

Marco Filice

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

1,916
citations

218592

26
h-index

302012

39
g-index

86
all docs

86
docs citations

86
times ranked

2368
citing authors

#	ARTICLE	IF	CITATIONS
1	Broad virus inactivation using inorganic micro/nano-particulate materials. <i>Materials Today Bio</i> , 2022, 13, 100191.	2.6	9
2	Enzyme-metal nanobiohybrids in chemobiocatalytic cascade processes. , 2022, , 189-210.		0
3	Electrospraying as a Technique for the Controlled Synthesis of Biocompatible PLGA@Ag ₂ S and PLGA@Ag ₂ S@SPION Nanocarriers with Drug Release Capability. <i>Pharmaceutics</i> , 2022, 14, 214.	2.0	6
4	Synthesis of a theranostic platform based on fibrous silica nanoparticles for the enhanced treatment of triple-negative breast cancer promoted by a combination of chemotherapeutic agents. , 2022, 137, 212823.		12
5	Theranostic Contribution of Extracellular Matrix Metalloprotease Inducer-Paramagnetic Nanoparticles Against Acute Myocardial Infarction in a Pig Model of Coronary Ischemia-Reperfusion. <i>Circulation: Cardiovascular Imaging</i> , 2022, 15, .	1.3	4
6	Hybrid magnetic nanoparticles for multimodal molecular imaging of cancer. , 2021, , 343-386.		4
7	Recent Advances in Multimodal Molecular Imaging of Cancer Mediated by Hybrid Magnetic Nanoparticles. <i>Polymers</i> , 2021, 13, 2989.	2.0	19
8	Palladium-Nanoparticles Biohybrids in Applied Chemistry. <i>Applied Nano</i> , 2021, 2, 1-13.	0.9	14
9	Ionotropic Gelation-Based Synthesis of Chitosan-Metal Hybrid Nanoparticles Showing Combined Antimicrobial and Tissue Regenerative Activities. <i>Polymers</i> , 2021, 13, 3910.	2.0	7
10	Tailor-made PEG coated iron oxide nanoparticles as contrast agents for long lasting magnetic resonance molecular imaging of solid cancers. <i>Materials Science and Engineering C</i> , 2020, 107, 110262.	3.8	40
11	Enzyme Conformation Influences the Performance of Lipase-empowered Nanomotors. <i>Angewandte Chemie</i> , 2020, 132, 21266-21273.	1.6	9
12	Enzyme Conformation Influences the Performance of Lipase-empowered Nanomotors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21080-21087.	7.2	58
13	Role of Folic Acid in the Therapeutic Action of Nanostructured Porous Silica Functionalized with Organotin(IV) Compounds against Different Cancer Cell Lines. <i>Pharmaceutics</i> , 2020, 12, 512.	2.0	14
14	Multifunctional Silica-Based Nanoparticles with Controlled Release of Organotin Metallo drug for Targeted Theranosis of Breast Cancer. <i>Cancers</i> , 2020, 12, 187.	1.7	46
15	Fine Modulation of the Catalytic Properties of Rhizomucor miehei Lipase Driven by Different Immobilization Strategies for the Selective Hydrolysis of Fish Oil. <i>Molecules</i> , 2020, 25, 545.	1.7	15
16	Covalent Immobilization of Naringinase over Two-dimensional 2D Zeolites and its Applications in a Continuous Process to Produce Citrus Flavonoids and for Debittering of Juices. <i>ChemCatChem</i> , 2020, 12, 4502-4511.	1.8	13
17	Selective synthesis of citrus flavonoids prunin and naringenin using heterogeneized biocatalyst on graphene oxide. <i>Green Chemistry</i> , 2019, 21, 839-849.	4.6	36
18	The State of the Art of Investigational and Approved Nanomedicine Products for Nucleic Acid Delivery. , 2019, , 421-456.		7

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19	Non-Invasive Detection of Extracellular Matrix Metalloproteinase Inducer EMMPRIN, a New Therapeutic Target against Atherosclerosis, Inhibited by Endothelial Nitric Oxide. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3248.	1.8	18
20	Modulation of the Catalytic Properties of Lipase B from <i>Candida antarctica</i> by Immobilization on Tailor-Made Magnetic Iron Oxide Nanoparticles: The Key Role of Nanocarrier Surface Engineering. <i>Polymers</i> , 2018, 10, 615.	2.0	18
21	Hybrid Decorated Core@Shell Janus Nanoparticles as a Flexible Platform for Targeted Multimodal Molecular Bioimaging of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31032-31043.	4.0	61
22	Applications of Nanomaterials Based on Magnetite and Mesoporous Silica on the Selective Detection of Zinc Ion in Live Cell Imaging. <i>Nanomaterials</i> , 2018, 8, 434.	1.9	20
23	Immobilization Effects on the Catalytic Properties of Two <i>Fusarium Verticillioides</i> Lipases: Stability, Hydrolysis, Transesterification and Enantioselectivity Improvement. <i>Catalysts</i> , 2018, 8, 84.	1.6	19
24	Biocatalytic Process Optimization for the Production of High-Added-Value α -Hydroxy and β -Hydroxy Glycosyl Building Blocks. <i>ChemCatChem</i> , 2017, 9, 2536-2543.	1.8	3
25	Solid-surface activated recombinant <i>Rhizopus oryzae</i> lipase expressed in <i>Pichia pastoris</i> and chemically modified variants as efficient catalysts in the synthesis of hydroxy monodeprotected glycals. <i>Catalysis Science and Technology</i> , 2017, 7, 1766-1775.	2.1	3
26	Editorial (Thematic Issue: The Lab-on-a-protein Concept Protein as Powerful Nanometric Laboratory) <i>Trends in Biotechnology</i> , 2017, 10, 10-15.	0.9	0
27	Immobilization of Trypsin in Lignocellulosic Waste Material to Produce Peptides with Bioactive Potential from Whey Protein. <i>Materials</i> , 2016, 9, 357.	1.3	32
28	Addendum: Bassan, J.C.; et al. Immobilization of Trypsin in Lignocellulosic Waste Material to Produce Peptides with Bioactive Potential from Whey Protein. <i>Materials</i> 2016, 9(5), 357. <i>Materials</i> , 2016, 9, 705.	1.3	1
29	Biosynthesis of Metal Nanoparticles: Novel Efficient Heterogeneous Nanocatalysts. <i>Nanomaterials</i> , 2016, 6, 84.	1.9	58
30	Recent advances in the preparation and application of multifunctional iron oxide and liposome-based nanosystems for multimodal diagnosis and therapy. <i>Interface Focus</i> , 2016, 6, 20160055.	1.5	26
31	Palladium nanoparticles enzyme aggregate (PANEA) as efficient catalyst for Suzuki-Miyaura reaction in aqueous media. <i>Enzyme and Microbial Technology</i> , 2016, 95, 242-247.	1.6	26
32	Enzymatic Transformations in Food Chemistry. <i>Current Organic Chemistry</i> , 2016, 21, 139-148.	0.9	6
33	Immobilization of Aldolase for C-C Bond Formation. <i>Current Organic Chemistry</i> , 2016, 20, 1243-1251.	0.9	1
34	Preparation of an Immobilized Lipase-Palladium Artificial Metalloenzyme as Catalyst in the Heck Reaction: Role of the Solid Phase. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2687-2696.	2.1	37
35	New emerging bio-catalysts design in biotransformations. <i>Biotechnology Advances</i> , 2015, 33, 605-613.	6.0	31
36	Synthesis of a heterogeneous artificial metallolipase with chimeric catalytic activity. <i>Chemical Communications</i> , 2015, 51, 9324-9327.	2.2	39

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37	Dramatic hyperactivation of lipase of <i>Thermomyces lanuginosa</i> by a cationic surfactant: Fixation of the hyperactivated form by adsorption on sulfopropyl-sepharose. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 199-203.	1.8	14
38	Enzyme Engineering and Protein Modifications. , 2015, , 99-113.		0
39	Chemoenzymatic synthesis of neoglycoproteins driven by the assessment of protein surface reactivity. <i>RSC Advances</i> , 2014, 4, 56455-56465.	1.7	25
40	Useful Oriented Immobilization of Antibodies on Chimeric Magnetic Particles: Direct Correlation of Biomacromolecule Orientation with Biological Activity by AFM Studies. <i>Langmuir</i> , 2014, 30, 15022-15030.	1.6	12
41	Purification and improvement of the functional properties of <i>Rhizopus oryzae</i> lipase using immobilization techniques. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 110, 111-116.	1.8	10
42	Low ionic liquid concentration in water: a green and simple approach to improve activity and selectivity of lipases. <i>RSC Advances</i> , 2014, 4, 49115-49122.	1.7	10
43	Cascade Reactions Catalyzed by Bionanostructures. <i>ACS Catalysis</i> , 2014, 4, 1588-1598.	5.5	84
44	Synthesis of heterogeneous enzyme-metal nanoparticle biohybrids in aqueous media and their applications in C-C bond formation and tandem catalysis. <i>Chemical Communications</i> , 2013, 49, 6876.	2.2	121
45	Synthesis of ascorbyl oleate by transesterification of olive oil with ascorbic acid in polar organic media catalyzed by immobilized lipases. <i>Chemistry and Physics of Lipids</i> , 2013, 174, 48-54.	1.5	31
46	Improving Lipase Activity by Immobilization and Post-immobilization Strategies. <i>Methods in Molecular Biology</i> , 2013, 1051, 255-273.	0.4	11
47	Preparation of Lipase-Coated, Stabilized, Hydrophobic Magnetic Particles for Reversible Conjugation of Biomacromolecules. <i>Biomacromolecules</i> , 2013, 14, 602-607.	2.6	21
48	Enzymatic Synthesis of Oligosaccharides: A Powerful Tool for a Sweet Challenge. <i>Current Organic Chemistry</i> , 2013, 17, 701-718.	0.9	19
49	Synthesis of Enantiopure Drugs and Drug Intermediates by Immobilized Lipase-Catalysis. <i>Current Bioactive Compounds</i> , 2013, 9, 113-136.	0.2	12
50	Monosaccharide derivatives as central scaffolds in the synthesis of glycosylated drugs. <i>RSC Advances</i> , 2012, 2, 1729.	1.7	18
51	Semisynthetic peptide-lipase conjugates for improved biotransformations. <i>Chemical Communications</i> , 2012, 48, 9053.	2.2	31
52	Different strategies to enhance the activity of lipase catalysts. <i>Catalysis Science and Technology</i> , 2012, 2, 1531.	2.1	50
53	Regioselective monodeprotection of peracetylated carbohydrates. <i>Nature Protocols</i> , 2012, 7, 1783-1796.	5.5	53
54	A Novel Halophilic Lipase, LipBL, Showing High Efficiency in the Production of Eicosapentaenoic Acid (EPA). <i>PLoS ONE</i> , 2011, 6, e23325.	1.1	75

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55	Medium engineering on modified <i>Geobacillus thermocatenulatus</i> lipase to prepare highly active catalysts. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 70, 144-148.	1.8	19
56	trans,trans-2,4-Hexadiene incorporation on enzymes for site-specific immobilization and fluorescent labeling. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5535.	1.5	19
57	Kinetically controlled synthesis of monoglycerol esters from chiral and prochiral acids methyl esters catalyzed by immobilized <i>Rhizomucor miehei</i> lipase. <i>Bioresource Technology</i> , 2011, 102, 507-512.	4.8	23
58	Cross-linking of Lipases Adsorbed on Hydrophobic Supports: Highly Selective Hydrolysis of Fish Oil Catalyzed by RML. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2011, 88, 801-807.	0.8	46
59	Regioselective Deprotection of Peracetylated Disaccharides at the Primary Position Catalyzed by Immobilized Acetyl Xylan Esterase from <i>Bacillus pumilus</i> . <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6181-6185.	1.2	15
60	Purification, immobilization, and characterization of a specific lipase from <i>Staphylococcus warneri</i> EX17 by enzyme fractionating via adsorption on different hydrophobic supports. <i>Biotechnology Progress</i> , 2011, 27, 717-723.	1.3	12
61	Hydrolysis of fish oil by hyperactivated <i>Rhizomucor miehei</i> lipase immobilized by multipoint anion exchange. <i>Biotechnology Progress</i> , 2011, 27, 961-968.	1.3	21
62	Enhanced activity of an immobilized lipase promoted by site-directed chemical modification with polymers. <i>Process Biochemistry</i> , 2010, 45, 534-541.	1.8	41
63	Single-step purification of different lipases from <i>Staphylococcus warneri</i> . <i>Journal of Chromatography A</i> , 2010, 1217, 473-478.	1.8	24
64	Recent Trends in Regioselective Protection and Deprotection of Monosaccharides. <i>Current Organic Chemistry</i> , 2010, 14, 516-532.	0.9	25
65	Effect of ionic liquids as additives in the catalytic properties of different immobilized preparations of <i>Rhizomucor miehei</i> lipase in the hydrolysis of peracetylated lactal. <i>Green Chemistry</i> , 2010, 12, 1365.	4.6	16
66	Different derivatives of a lipase display different regioselectivity in the monohydrolysis of per-O-acetylated 1-O-substituted- β -galactopyranosides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 58, 36-40.	1.8	18
67	Modulation of a lipase from <i>Staphylococcus warneri</i> EX17 using immobilization techniques. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 60, 125-132.	1.8	20
68	A Versatile Synthesis of 5'-Functionalized Nucleosides Through Regioselective Enzymatic Hydrolysis of Their Peracetylated Precursors. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1967-1975.	1.2	20
69	Lipase-Catalyzed Regioselective One-Step Synthesis of Penta-O-acetyl- β -hydroxylactal. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3327-3329.	1.2	10
70	Enzymatic resolution of 5-hydroxy- and 8-hydroxy-2-tetralols using immobilized lipases. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 467-472.	1.8	11
71	Improved reactivation of immobilized-stabilized lipase from <i>Thermomyces lanuginosus</i> by its coating with highly hydrophilic polymers. <i>Journal of Biotechnology</i> , 2009, 144, 113-119.	1.9	29
72	Reactivation of covalently immobilized lipase from <i>Thermomyces lanuginosus</i> . <i>Process Biochemistry</i> , 2009, 44, 641-646.	1.8	35

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73	Chemo-biocatalytic regioselective one-pot synthesis of different deprotected monosaccharides. <i>Catalysis Today</i> , 2009, 140, 11-18.	2.2	34
74	Preparation of linear oligosaccharides by a simple monoprotective chemo-enzymatic approach. <i>Tetrahedron</i> , 2008, 64, 9286-9292.	1.0	26
75	Regioselective monohydrolysis of per-O-acetylated-1-substituted- β -glucopyranosides catalyzed by immobilized lipases. <i>Tetrahedron</i> , 2008, 64, 10721-10727.	1.0	19
76	A chemo-biocatalytic approach in the synthesis of β -O-naphthylmethyl-N-peracetylated lactosamine. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 52-53, 106-112.	1.8	16
77	Lecitase [®] ultra as regioselective biocatalyst in the hydrolysis of fully protected carbohydrates. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 51, 110-117.	1.8	43
78	Regioselective Hydrolysis of Different Peracetylated β -Monosaccharides by Immobilized Lipases from Different Sources. Key Role of The Immobilization. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1969-1976.	2.1	45
79	Screening of lipases for regioselective hydrolysis of peracetylated β -monosaccharides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 49, 12-17.	1.8	12
80	One-pot synthesis of 2-acetamido-2-deoxy-1,3,6-tri-O-acetyl- β -D-glucopyranose as intermediate for β -D-lactosamine octaacetate preparation. <i>Arkivoc</i> , 2006, 2006, 66-73.	0.3	5