

Elena Petricci

List of Publications by Year in descending order

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papers

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236612

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times ranked

3287
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA Double-Strand Break Repair Pathway Choice Is Directed by Distinct MRE11 Nuclease Activities. <i>Molecular Cell</i> , 2014, 53, 7-18.	4.5	466
2	BRCA1 Directs the Repair Pathway to Homologous Recombination by Promoting 53BP1 Dephosphorylation. <i>Cell Reports</i> , 2017, 18, 520-532.	2.9	136
3	Microwave-Assisted Carbonylation and Cyclocarbonylation of Aryl Iodides under Ligand Free Heterogeneous Catalysis. <i>Journal of Organic Chemistry</i> , 2010, 75, 1841-1847.	1.7	125
4	4-Hydroxyphenylpyruvate Dioxygenase and Its Inhibition in Plants and Animals: Small Molecules as Herbicides and Agents for the Treatment of Human Inherited Diseases. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4101-4125.	2.9	89
5	Continuous Flow Hydrogenation of Functionalized Pyridines. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1327-1334.	1.2	75
6	Microwaves Make Hydroformylation a Rapid and Easy Process. <i>Organic Letters</i> , 2006, 8, 3725-3727.	2.4	64
7	Microwave-enhanced Sonogashira coupling reaction of substituted pyrimidinones and pyrimidine nucleosides. <i>Tetrahedron Letters</i> , 2003, 44, 9181-9184.	0.7	61
8	Domino Hydrogenation—Reductive Amination of Phenols, a Simple Process To Access Substituted Cyclohexylamines. <i>Organic Letters</i> , 2015, 17, 3990-3993.	2.4	56
9	Design and Synthesis of 1-((1,5-Bis(4-chlorophenyl)-2-methyl-1H-pyrrol-3-yl)methyl)-4-methylpiperazine (BM212) and N-Adamantan-2-yl-N-((E)-3,7-dimethylocta-2,6-dienyl)ethane-1,2-diamine (SQ109) Pyrrole Hybrid Derivatives: Discovery of Potent Antitubercular Agents Effective against Multidrug-Resistant Mycobacteria. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2780-2793.	2.9	51
10	MRT692 inhibits Hedgehog signaling by blocking overlapping binding sites in the transmembrane domain of the Smoothed receptor. <i>FASEB Journal</i> , 2015, 29, 1817-1829.	0.2	48
11	Microwave-Assisted Aminocarbonylation of Ynamides by Using Catalytic [Fe ₃ (CO) ₁₂] at Low Pressures of Carbon Monoxide. <i>Chemistry - A European Journal</i> , 2011, 17, 4523-4528.	1.7	46
12	Parallel Solution-Phase and Microwave-Assisted Synthesis of New S-DABO Derivatives Endowed with Subnanomolar Anti-HIV-1 Activity. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 8000-8008.	2.9	45
13	Synthesis of 1,2,3-Substituted Pyrroles from Propargylamines via a One-Pot Tandem Enyne Cross Metathesis—Cyclization Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 5287-5295.	1.7	42
14	A General Approach to Substituted Benzimidazoles and Benzoxazoles via Heterogeneous Palladium-Catalyzed Hydrogen Transfer with Primary Amines. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2453-2464.	2.1	41
15	A Multidisciplinary Approach for the Identification of Novel HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors: DABOCs and DAVPs. <i>ChemMedChem</i> , 2008, 3, 573-593.	1.6	37
16	Targeted inhibition of Hedgehog-Gli signaling by novel acylguanidine derivatives inhibits melanoma cell growth by inducing replication stress and mitotic catastrophe. <i>Cell Death and Disease</i> , 2018, 9, 142.	2.7	37
17	Microwave-Assisted Acylation of Amines, Alcohols, and Phenols by the Use of Solid-Supported Reagents (SSRs). <i>Journal of Organic Chemistry</i> , 2004, 69, 7880-7887.	1.7	36
18	MRE11 inhibition highlights a replication stress-dependent vulnerability of MYCN-driven tumors. <i>Cell Death and Disease</i> , 2018, 9, 895.	2.7	35

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19	Microwave-Assisted Intramolecular Huisgen Cycloaddition of Azido Alkynes Derived from α -Amino Acids. <i>Journal of Organic Chemistry</i> , 2009, 74, 1314-1321.	1.7	33
20	Microwave assisted hydroaminomethylation of alkenes. <i>Tetrahedron Letters</i> , 2007, 48, 8501-8504.	0.7	32
21	Discovery, Molecular and Pharmacological Characterization of GSA-10, a Novel Small-Molecule Positive Modulator of Smoothed. <i>Molecular Pharmacology</i> , 2013, 83, 1020-1029.	1.0	32
22	Continuous-Flow Palladium-Catalyzed Synthesis of Cyclohexanones from Phenols using Sodium Formate as a Safe Hydrogen Source. <i>ChemCatChem</i> , 2018, 10, 1277-1281.	1.8	29
23	Avoiding hot-spots in Microwave-assisted Pd/C catalysed reactions by using the biomass derived solvent l^3 -Valerolactone. <i>Scientific Reports</i> , 2018, 8, 10571.	1.6	28
24	Parallel Solution-Phase Synthesis of 4-Dialkylamino-2-methylsulfonyl-6-vinylpyrimidines. <i>ACS Combinatorial Science</i> , 2005, 7, 117-122.	3.3	27
25	Hedgehog associated to microparticles inhibits adipocyte differentiation via a non-canonical pathway. <i>Scientific Reports</i> , 2016, 6, 23479.	1.6	27
26	In water alkylation of amines with alcohols through a borrowing hydrogen process catalysed by ruthenium nanoparticles. <i>Green Chemistry</i> , 2020, 22, 327-331.	4.6	27
27	Targeting non-canonical activation of GLI1 by the SOX2-BRD4 transcriptional complex improves the efficacy of HEDGEHOG pathway inhibition in melanoma. <i>Oncogene</i> , 2021, 40, 3799-3814.	2.6	27
28	Synthesis and SAR evaluation of novel thioridazine derivatives active against drug-resistant tuberculosis. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 147-158.	2.6	25
29	Biomass Waste-Derived Pd-PiNe Catalyst for the Continuous-Flow Copper-Free Sonogashira Reaction in a CPME-Water Azeotropic Mixture. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12196-12204.	3.2	25
30	Towards new methodologies for the synthesis of biologically interesting 6-substituted pyrimidines and 4(3H)-pyrimidinones. <i>Arkivoc</i> , 2006, 2006, 452-478.	0.3	25
31	Iron-Catalyzed Reductive Amination of Aldehydes in Isopropyl Alcohol/Water Media as Hydrogen Sources. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2560-2565.	2.1	24
32	Synthesis of d- and l-2,3-trans-3,4-cis-4,5-trans-3,4-Dihydroxy-5-hydroxymethylproline and Tripeptides Containing Them. <i>Journal of Organic Chemistry</i> , 2004, 69, 4487-4491.	1.7	23
33	An Effective and Reusable Hyperbranched Polymer Immobilized Rhodium Catalyst for the Hydroformylation of Olefins. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1496-1504.	2.0	23
34	An improved synthesis of solid-supported reagents (SSRs) for selective acylation of amines by microwave irradiation. <i>Tetrahedron Letters</i> , 2002, 43, 6507-6509.	0.7	22
35	Pd/C Catalysis under Microwave Dielectric Heating. <i>Catalysts</i> , 2017, 7, 89.	1.6	21
36	Antibody drug conjugates (ADCs) charged with HDAC inhibitor for targeted epigenetic modulation. <i>Chemical Science</i> , 2018, 9, 6490-6496.	3.7	20

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37	Targeting Allostery with Avatars to Design Inhibitors Assessed by Cell Activity: Dissecting MRE11 Endo- and Exonuclease Activities. <i>Methods in Enzymology</i> , 2018, 601, 205-241.	0.4	20
38	Survey on the Recent Advances in 4-Hydroxyphenylpyruvate Dioxygenase (HPPD) Inhibition by Diketone and Triketone Derivatives and Congeneric Compounds: Structural Analysis of HPPD/Inhibitor Complexes and Structure-Activity Relationship Considerations. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6963-6981.	2.4	19
39	Smoothened-antagonists reverse homogentisic acid-induced alterations of Hedgehog signaling and primary cilium length in alkaptonuria. <i>Journal of Cellular Physiology</i> , 2017, 232, 3103-3111.	2.0	18
40	Novel smoothened antagonists as anti-neoplastic agents for the treatment of osteosarcoma. <i>Journal of Cellular Physiology</i> , 2018, 233, 4961-4971.	2.0	17
41	Ruthenium-catalysed C-alkylation of 1,3-dicarbonyl compounds with primary alcohols and synthesis of 3-keto-quinolines. <i>RSC Advances</i> , 2016, 6, 31386-31390.	1.7	16
42	Pharmacophore-Based Virtual Screening for Identification of Negative Modulators of GIL1 as Potential Anticancer Agents. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 832-838.	1.3	16
43	Domino Reactions Triggered by Hydroformylation. <i>Topics in Current Chemistry</i> , 2013, 342, 117-149.	4.0	15
44	Hedgehog pathway inhibitors of the acylthiourea and acylguanidine class show antitumor activity on colon cancer in vitro and in vivo. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 368-379.	2.6	14
45	Novel textile dye obtained through transformation of 2-amino-3-methoxybenzoic acid by free and immobilised laccase from a <i>Pleurotus ostreatus</i> strain. <i>Enzyme and Microbial Technology</i> , 2020, 132, 109398.	1.6	14
46	Structure and Bioactive Properties of Novel Textile Dyes Synthesised by Fungal Laccase. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2052.	1.8	14
47	Solution-phase parallel synthesis of S-DABO analogues. <i>Tetrahedron Letters</i> , 2006, 47, 65-67.	0.7	11
48	Synthesis and biological evaluation of 4-alkylamino-6-(2-hydroxyethyl)-2-methylthiopyrimidines as new rubella virus inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 256-262.	2.6	11
49	Microwave-Assisted Domino Hydroformylation/Cyclization Reactions: Scope and Limitations. <i>Synthesis</i> , 2010, 2010, 2901-2914.	1.2	11
50	New Solid-supported Reagents (SSRs) for Selective Acylation of Amines. <i>Heterocycles</i> , 2002, 56, 369.	0.4	10
51	Solid-phase synthesis (SPS) of substituted uracils via Oxone® cleavage methodology. <i>Tetrahedron Letters</i> , 2002, 43, 9667-9670.	0.7	10
52	Design, synthesis and biological characterization of a new class of osteogenic (1H)-quinolone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 747-757.	2.6	10
53	In Water Markovnikov Hydration and One-Pot Reductive Hydroamination of Terminal Alkynes under Ruthenium Nanoparticle Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1000-1003.	1.0	10
54	Metal Catalysis with Microwaves in Organic Synthesis: a Personal Account. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4435-4446.	1.2	9

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55	ErbB2 Targeted Epigenetic Modulation: Anti-tumor Efficacy of the ADC Trastuzumab-HDACi ST8176AA1. <i>Frontiers in Oncology</i> , 2019, 9, 1534.	1.3	9
56	Micellar Catalysis for Sustainable Hydroformylation. <i>ChemCatChem</i> , 2021, 13, 2794-2806.	1.8	9
57	An improved synthesis of α,β -unsaturated nitrones relevant to the stephacidins and analogs thereof. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3808-3810.	1.0	8
58	Novel Acylguanidine Derivatives Targeting Smoothed Induce Antiproliferative and Pro-Apoptotic Effects in Chronic Myeloid Leukemia Cells. <i>PLoS ONE</i> , 2016, 11, e0149919.	1.1	8
59	DNA Double-Strand Break Repair Pathway Choice Is Directed by Distinct MRE11 Nuclease Activities. <i>Molecular Cell</i> , 2014, 53, 361.	4.5	7
60	A highly stereo-controlled protocol to prepare pipercolic acids based on Heck and cyclohydrocarbonylation reactions. <i>Organic Chemistry Frontiers</i> , 2015, 2, 526-530.	2.3	7
61	Antibody drug conjugates with hydroxamic acid cargos for histone deacetylase (HDAC) inhibition. <i>Chemical Communications</i> , 2021, 57, 867-870.	2.2	7
62	A molecular spectroscopy approach for the investigation of early phase ochronotic pigment development in Alkaptonuria. <i>Scientific Reports</i> , 2021, 11, 22562.	1.6	7
63	Microwave-Assisted C-5 Iodination of Substituted Pyrimidinones and Pyrimidine Nucleosides. <i>Synthesis</i> , 2003, 2003, 1039-1042.	1.2	6
64	Microwave-Assisted Aminocarbonylation of Aryl Bromides at Low Carbon Monoxide Pressure. <i>Synlett</i> , 2009, 2009, 47-50.	1.0	6
65	Structure-Activity Relationships and Mechanism of Action of Small Molecule Smoothed Modulators Discovered by High-Throughput Screening and Rational Design. <i>Topics in Medicinal Chemistry</i> , 2014, , 43-107.	0.4	5
66	Green microwave-assisted procedure to generate bio-based pectin materials. <i>Sustainable Chemistry and Pharmacy</i> , 2017, 5, 127-130.	1.6	5
67	Antibacterial alkylguanidino ureas: Molecular simplification approach, searching for membrane-based MoA. <i>European Journal of Medicinal Chemistry</i> , 2022, 231, 114158.	2.6	5
68	Evaluation of WO2014207069 A1: Multitarget Hedgehog pathway inhibitors and uses thereof. <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 529-535.	2.4	4
69	The Antimalarial Mefloquine Shows Activity against <i>Mycobacterium abscessus</i> , Inhibiting Mycolic Acid Metabolism. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8533.	1.8	4
70	Combinatorial Chemistry as a Tool for Targeting Different Stages of the Replicative HIV-1 Cycle. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2005, 8, 387-401.	0.6	3
71	Stereoselective Synthesis of N1-6-Methyluridine and Related 2-Substituted Analogues. <i>Heterocycles</i> , 2007, 72, 79.	0.4	3
72	Synthesis of reactive cytidine derivatives as building blocks for cross-linking oligonucleotides. <i>Tetrahedron Letters</i> , 2005, 46, 4361-4364.	0.7	2

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73	Microwave Assisted Hydrogenation of Pyridinecarboxylates: a Convenient Access to Valuable Scaffolds for Diversity Oriented Synthesis. <i>Current Microwave Chemistry</i> , 2016, 3, 131-138.	0.2	1
74	Microwave-Enhanced Sonogashira Coupling Reaction of Substituted Pyrimidinones and Pyrimidine Nucleosides.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
75	Parallel Solution-Phase Synthesis of 4-Dialkylamino-2-methylsulfonyl-6-vinylpyrimidines.. <i>ChemInform</i> , 2005, 36, no.	0.1	0