# Manickam Bakthadoss

List of Publications by Year
in descending order



| 50 | 862 | 394421 19 | 526287 27 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 50 | 50 | 50 | 643 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Azomethine ylide cycloaddition of 1,3-dienyl esters: highly regio- and diastereoselective synthesis of functionalized pyrrolidinochromenes. Organic and Biomolecular Chemistry, 2022, 20, 778-782. | 2.8 | 1 |
| 2 | Ester-directed orthogonal dual Câ€“H activation and ortho aryl Câ€“H alkenylation via distal weak coordination. Chemical Communications, 2022, 58, 1406-1409. | 4.1 | 3 |
| 3 | Photocatalytic Visible-Light-Induced Nitrogen Insertion via Dual C(sp<sup>3</sup>)â€“H and C(sp<sup>2</sup>)â€“H Bond Functionalization: Access to Privileged Imidazole-based Scaffolds. Organic Letters, 2021, 23, 257-261. | 4.6 | 17 |
| 4 | Intramolecular [3 + 2] nitrone cycloaddition reaction: highly regio and diastereoselective synthesis of bicyclo[3.2.1]octane scaffolds. Organic and Biomolecular Chemistry, 2020, 18, 9653-9659. | 2.8 | 3 |
| 5 | Rhodium-Catalyzed Diastereoselective [3 + 2] Cycloaddition of Carbonyl Ylide: An Access to the Core Ring System of Cordigol and Lophirone H. Journal of Organic Chemistry, 2020, 85, 15221-15231. | 3.2 | 8 |
| 6 | Ruthenium-catalyzed, site-selective Câ€“H activation: access to C5-substituted azaflavanone. RSC Advances, 2020, 10, 31570-31574. | 3.6 | 6 |
| 7 | Cascade annulation reaction (CAR): highly diastereoselective synthesis of pyranopyrazole scaffolds. RSC Advances, 2020, 10, 19003-19007. | 3.6 | 4 |
| 8 | Two step, one-pot sequential synthesis of functionalized hybrid polyheterocyclic scaffolds via a solid state melt reaction (SSMR). RSC Advances, 2019, 9, 24314-24318. | 3.6 | 3 |
| 9 | Ruthenium catalyzed chemo and site-selective Câ€“H amidation of oxobenzoxazine derivatives with sulfonyl azides. New Journal of Chemistry, 2019, 43, 14190-14195. | 2.8 | 10 |
| 10 | Three Component, Oneâ€Pot Synthesis of Multifunctional Quinolinopyranpyrazoles via Catalystâ€Free Multicomponent Reaction. ChemistrySelect, 2019, 4, 7996-7999. | 1.5 | 7 |
| 11 | Assembly of Highly Functionalized Chromenopyranpyrazoles via Multicomponent Quadruple Domino Reaction (MCQDR). ChemistrySelect, 2019, 4, 11822-11825. | 1.5 | 1 |
| 12 | A novel multicomponent quadruple/double quadruple domino reaction: highly efficient synthesis of polyheterocyclic architectures. Organic and Biomolecular Chemistry, 2019, 17, 3884-3893. | 2.8 | 4 |
| 13 | Regioselective C3â€“H Trifluoromethylation of 2H-Indazole under Transition-Metal-Free Photoredox Catalysis. Journal of Organic Chemistry, 2019, 84, 7796-7803. | 3.2 | 62 |
| 14 | A rearrangement involving a solid-state melt reaction for the synthesis of multifunctional tetrasubstituted olefins. Organic and Biomolecular Chemistry, 2019, 17, 4767-4773. | 2.8 | 4 |
| 15 | Palladium catalyzed chemo- and site-selective Câ€“H acetoxylation and hydroxylation of oxobenzoxazine derivatives. Organic and Biomolecular Chemistry, 2019, 17, 4465-4469. | 2.8 | 23 |
| 16 | A distal vinyl shift (DVS) through quadruple domino reaction: synthesis of N-vinyl benzoheterocyclic scaffolds. RSC Advances, 2018, 8, 12152-12156. | 3.6 | 12 |
| 17 | Triple domino reaction for the synthesis of pyrazole/indoline linked chromenes. Tetrahedron, 2018, 74, 490-496. | 1.9 | 8 |
| 18 | Solvent and catalyst free ring expansion of indoles: a simple synthesis of highly functionalized benzazepines. Organic and Biomolecular Chemistry, 2018, 16, 8160-8168. | 2.8 | 13 |

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|---|---|---|---|
| 19 | Ruthenium‚Catalyzed Site‚selective Enone Carbonyl Directed ortho‚Câ^'H Activation of Aromatics and Heteroaromatics with Alkenes. Advanced Synthesis and Catalysis, 2018, 360, 2650-2658. | 4.3 | 18 |
| 20 | Synthesis of Highly Functionalized Tricyclic Chromenopyrazole Frameworks via Intramolecular Azomethine Imine 1,3‚Dipolar Cycloaddition (IAIDC). ChemistrySelect, 2018, 3, 6960-6964. | 1.5 | 12 |
| 21 | Ruthenium‚Catalyzed, Keto‚Directed, Site‚Selective C‚H Activation of Diverse Chromanones with Alkenes. European Journal of Organic Chemistry, 2017, 2017, 4439-4444. | 2.4 | 20 |
| 22 | A Direct Cycloaminative Approach to Imidazole Derivatives via Dual C‚H Functionalization. Organic Letters, 2017, 19, 5014-5017. | 4.6 | 30 |
| 23 | Synthesis of a novel methyl(2E)-2-{[N-(2-formylphenyl)(4-methylbenzene) sulfonamido]methyl}-3-(2-methoxyphenyl)prop-2-enoate: Molecular structure, spectral, antimicrobial, molecular docking and DFT computational approaches. Journal of Molecular Structure, 2017, 1127, 457-475. | 3.6 | 10 |
| 24 | Synthesis, crystal structure analysis, spectral investigations, DFT computations, Biological activities and molecular docking of methyl(2E)-2-{[N-(2-formylphenyl)(4-methylbenzene) sulfonamido]methyl}-3-(4-fluorophenyl)prop-2-enoate, a potential bioactive agent. Journal of Molecular Structure, 2016, 1108, 150-167. | 3.6 | 25 |
| 25 | One-Pot Synthesis of Benzothiazole-Tethered Chromanones/Coumarins via Claisen Rearrangement Using the Solid State Melt Reaction. Journal of Organic Chemistry, 2016, 81, 3391-3399. | 3.2 | 23 |
| 26 | Experimental and computational approaches of a novel methyl (2E)-2-{[N-(2-formylphenyl)(4-methylbenzene)sulfonamido]methyl}-3-(4-chlorophenyl)prop-2-enoate: A potential antimicrobial agent and an inhibition of penicillin-binding protein. Journal of Molecular Structure, 2016, 1115, 33-54. | 3.6 | 18 |
| 27 | Diastereoselective construction of highly functionalized tetrahydroquinolinoisoxazole scaffolds via intramolecular nitrone cycloaddition. Tetrahedron Letters, 2015, 56, 3954-3960. | 1.4 | 11 |
| 28 | Synthesis of functionalized cyclohexenols via a domino Michael addition‚Dieckmann cyclization‚isomerization reaction sequence. Tetrahedron Letters, 2015, 56, 3877-3881. | 1.4 | 3 |
| 29 | Highly regio- and diastereo-selective synthesis of novel tri- and tetra-cyclic perhydroquinoline architectures via an intramolecular [3 + 2] cycloaddition reaction. Organic and Biomolecular Chemistry, 2015, 13, 2870-2874. | 2.8 | 39 |
| 30 | Synthesis of benzoxepinopyrrolidines/spiropyrrolidines via oxa-Pictet‚Spengler and [3+2] cycloaddition reactions. Tetrahedron Letters, 2015, 56, 4980-4983. | 1.4 | 24 |
| 31 | A facile synthesis of isoxazolo[3,4-a]pyrrolizine and isoxazolo[4,3-c]pyridine derivatives via intramolecular nitrone cycloaddition reaction. RSC Advances, 2015, 5, 67206-67209. | 3.6 | 7 |
| 32 | Stereoselective construction of functionalized tetracyclic and pentacyclic coumarinopyranpyrazole/pyrimidinedione/coumarin scaffolds using a solid-state melt reaction. Organic and Biomolecular Chemistry, 2015, 13, 5597-5601. | 2.8 | 20 |
| 33 | Synthesis of highly diversified 1,2,3-triazole derivatives via domino [3 + 2] azide cycloaddition and denitration reaction sequence. RSC Advances, 2015, 5, 93447-93451. | 3.6 | 20 |
| 34 | A novel protocol for the facile construction of tetrahydroquinoline fused tricyclic frameworks via an intramolecular 1,3-dipolar nitrile oxide cycloaddition reaction. Organic and Biomolecular Chemistry, 2015, 13, 10007-10014. | 2.8 | 12 |
| 35 | First Synthesis of Bis(di(indolyl)aryl)methanes From Bis(salicylaldehydes). Journal of Heterocyclic Chemistry, 2015, 52, 418-424. | 2.6 | 2 |
| 36 | A novel synthesis of tetra and pentacyclic quinolinopyran tethered pyrazole/coumarin scaffolds via a solid state melt reaction. RSC Advances, 2014, 4, 11723. | 3.6 | 28 |

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|---|---|---|---|
| 37 | Highly stereo and chemoselective synthesis of tetra and pentacyclic frameworks using Solid-State Melt Reaction (SSMR). Tetrahedron Letters, 2014, 55, 1765-1770. | 1.4 | 25 |
| 38 | Multicomponent Cascade Assembly for Quinolinopyranpyrazole Architectures. European Journal of Organic Chemistry, 2014, 2014, 1505-1513. | 2.4 | 34 |
| 39 | Highly Regio- and Stereoselective Synthesis of Tetracyclic IndolenoÂisoxazolidines via Intramolecular 1,3-Dipolar Nitrone Cycloadditions. Synthesis, 2013, 45, 237-245. | 2.3 | 4 |
| 40 | Intramolecular 1,3-Dipolar Nitrile Oxide Cycloaddition Using Baylis-Hillman Derivatives: Stereoselective Synthesis of Tricyclic Chromenoisoxazolines. Synthesis, 2012, 44, 755-766. | 2.3 | 11 |
| 41 | Synthesis of Novel Vicinal Coumarin- and Oxindole-Functionalized Dispiropyrrolidines and Dispiropyrrolizidines via [3+2]-Cycloaddition Reactions. Synthesis, 2012, 44, 793-799. | 2.3 | 25 |
| 42 | 1,3-Dipolar Cycloaddition on Baylis-Hillman Adducts: Novel Synthesis of Pyrrolidines, Spiropyrrolidines, and Spiropyrrolizidines. Synthesis, 2011, 2011, 2136-2146. | 2.3 | 23 |
| 43 | First Synthesis of Bromo and Chloro Derivatives of Baylis-Hillman Adducts Derived from Nitroolefins: Application towards the Synthesis of a Dendrimer Core. Synthesis, 2011, 2011, 611-618. | 2.3 | 14 |
| 44 | First Friedel-Crafts Reaction of the Baylis-Hillman Adducts Derived from Nitroolefins: Application towards Synthesis of Pyrrolidines and Spiropyrrolidines. Synlett, 2011, 2011, 1296-1302. | 1.8 | 15 |
| 45 | Highly Stereoselective Synthesis of Tricyclic Chromenoisoxazolidines by Intramolecular 1,3â€Ðipolar Cycloadditions. European Journal of Organic Chemistry, 2010, 2010, 5825-5830. | 2.4 | 37 |
| 46 | Novel Regio- and Stereoselective Synthesis of Functionalized 3-Spiropyrrolidines and 3-Spiropyrrolizidines Using the Baylis-Hillman Adducts Derived from Nitroolefins. Synlett, 2009, 2009, 1014-1018. | 1.8 | 29 |
| 47 | Solid-State Melt Reaction for the Domino Process: Highly Efficient Synthesis of Fused Tetracyclic Chromenopyran Pyrimidinediones Using Baylisâ˜Hillman Derivatives. Organic Letters, 2009, 11, 4466-4469. | 4.6 | 62 |
| 48 | Highly regio- and stereoselective synthesis of tricyclic frameworks using Baylisâ€“Hillman derivatives. Tetrahedron Letters, 2008, 49, 820-823. | 1.4 | 34 |
| 49 | TANDEM CONSTRUCTION OF CARBONâ€“CARBON AND CARBONâ€“OXYGEN BONDS IN THE BAYLIS-HILLMAN CHEMISTRY: SYNTHESIS OF FUNCTIONALIZEDdl-BIS-ALLYL ETHERS. Synthetic Communications, 2002, 32, 689-697. | 2.1 | 17 |
| 50 | (1R, 2R)-2-nitroxycyclohexan-1-ol : First example of a cyclohexyl based chiral auxiliary with nitroxy function as diastereoface discriminating group. Tetrahedron: Asymmetry, 1996, 7, 997-1000. | 1.8 | 21 |