

# Balamurugan Rengarajan

List of Publications by Year  
in descending order

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26  
papers

494  
citations

687363

13  
h-index

677142

22  
g-index

27  
all docs

27  
docs citations

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times ranked

571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold-Catalyzed Electrophilic Addition to Arylalkynes. A Facile Method for the Regioselective Synthesis of Substituted Naphthalenes. <i>Organic Letters</i> , 2009, 11, 3116-3119.	4.6	78
2	AuCl <sub>3</sub> /AgSbF <sub>6</sub> -catalyzed rapid epoxide to carbonyl rearrangement. <i>Tetrahedron Letters</i> , 2012, 53, 5243-5247.	1.4	40
3	Gold-Catalysed Activation of Epoxides: Application in the Synthesis of Bicyclic Ketals. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1557-1569.	2.4	35
4	Gold/copper-catalyzed activation of the aci-form of nitromethane in the synthesis of methylene-bridged bis-1,3-dicarbonyl compounds. <i>Chemical Communications</i> , 2011, 47, 11143.	4.1	29
5	Silver Hexafluoroantimonate-Catalyzed Direct $\alpha$ -Alkylation of Unactivated Ketones. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1463-1473.	4.3	29
6	Synthesis of 1-Arylnaphthalenes by Gold-Catalyzed One-Pot Sequential Epoxide to Carbonyl Rearrangement and Cyclization with Arylalkynes. <i>Chemistry - an Asian Journal</i> , 2013, 8, 414-428.	3.3	27
7	A Cascade Approach to Naphthalene Derivatives from $\alpha$ -Alkynylbenzaldehydes and Enolizable Ketones via <i>In Situ</i> Formed Acetals. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4254-4260.	2.4	24
8	Triflic acid-Mediated Expedient Synthesis of Benzo[a]fluorenes and Fluorescent Benzo[a]fluorenones. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1453-1465.	4.3	24
9	In Situ Formed Acetal-Facilitated Synthesis of Substituted Indene Derivatives from $\alpha$ -Alkynylbenzaldehydes. <i>Organic Letters</i> , 2015, 17, 3600-3603.	4.6	23
10	Reversible Addition of Cyanide to Triphenylamine Attached Difluoroboron Diketone Facilitated Selective Colorimetric and Fluorimetric Detection of Cyanide Ion. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 993-1000.	2.4	19
11	Amino Groups of Chitosan Are Crucial for Binding to a Family 32 Carbohydrate Binding Module of a Chitosanase from <i>Paenibacillus elgii</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 18977-18990.	3.4	17
12	Efficient Synthesis of Functionalized $\alpha$ -Keto Esters and $\alpha$ -Ketones through Regioselective Hydration of Alkynyl Esters and Alkynyl Ketones by Use of a Cationic NHC-Au Catalyst. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5855-5861.	2.4	16
13	Annulation of a Highly Functionalized Diazo Building Block with Indoles under Sc(OTf) <sub>3</sub> /Rh(OAc) <sub>4</sub> Multicatalysis through Michael Addition/Cyclization Sequence. <i>Journal of Organic Chemistry</i> , 2018, 83, 12171-12183.	3.2	16
14	Brønsted/Lewis Acid-Promoted Site-Selective Intramolecular Cycloisomerizations of Aryl-Fused 1,6-Diyn-3-ones for Diversity-Oriented Synthesis of Benzo-Fused Fluorenes and Fluorenones and Naphthyl Ketones. <i>Journal of Organic Chemistry</i> , 2021, 86, 333-351.	3.2	16
15	Silver-Catalyzed Synthesis of Substituted Pyridine Derivatives from $\alpha$ -Propargylic $\alpha$ -Enamino Esters. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3941-3946.	2.4	14
16	Synthetic homoserine lactone analogues as antagonists of bacterial quorum sensing. <i>Bioorganic Chemistry</i> , 2020, 98, 103698.	4.1	14
17	Tandem activation by gold: synthesis of dioxolanes by intermolecular reaction of epoxides and alkynes in acetone. <i>Tetrahedron</i> , 2015, 71, 2280-2289.	1.9	12
18	In situ formed acetals facilitated direct Michael addition of unactivated ketones. <i>New Journal of Chemistry</i> , 2017, 41, 1186-1192.	2.8	12

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19	The directing group wins over acidity: kinetically controlled regioselective lithiation for functionalization of 2-(2,4-dihalophenyl)-1,3-dithiane derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1670-1679.	2.8	10
20	Catalyst free synthesis of $\alpha$ -fluoro- $\beta$ -hydroxy ketones/ $\alpha$ -fluoro-ynols via electrophilic fluorination of tertiary propargyl alcohols using Selectfluor <sup>®</sup> , $\Phi$ (F-TEDA-BF <sub>4</sub> ). <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2063-2072.	2.8	10
21	Triflic Acid-Catalyzed Synthesis of Indole-Substituted Indane Derivatives via <i>In Situ</i> Formed Acetal-Facilitated Nucleophilic Addition and 4 $\pi$ -Electron-5-Carbon Electrocyclization Sequence. <i>Journal of Organic Chemistry</i> , 2021, 86, 16278-16292.	3.2	9
22	Efficient Sensing of Trinitrotoluene Using a Photoluminescent Benzo[ <i>a</i> ]fluorenone Derivative. <i>ChemistrySelect</i> , 2019, 4, 10164-10168.	1.5	6
23	Silver <sup>+</sup> -Catalyzed Synthesis of Enones/ $\alpha$ - $\beta$ -Unsaturated Ketones from Tertiary Propargyl Alcohols. <i>ChemistrySelect</i> , 2019, 4, 13610-13614.	1.5	4
24	Synthesis of Highly Substituted Biaryls by the Construction of a Benzene Ring via <i>In Situ</i> Formed Acetals. <i>Journal of Organic Chemistry</i> , 2021, 86, 11871-11883.	3.2	4
25	Synthesis of Highly Functionalized Pyrrolidine Derivatives from Easily Accessible Diethyl ( <i>E</i> )- $\alpha$ -oxohex-2-enedioate. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6417-6426.	2.4	3
26	Activation of <i>o</i> -Propargyl Alcohol Benzaldehydes under Acetalization Conditions for Intramolecular Electrophile Intercepted Meyer <sup>+</sup> Schuster Rearrangement. <i>Journal of Organic Chemistry</i> , 2022, 87, 8633-8647.	3.2	3