

# M R Ajayakumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5765848/publications.pdf>

Version: 2024-02-01

29  
papers

913  
citations

623734

14  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Electron Transfer Driven Cyanide Sensing: A New Multimodal Approach. <i>Organic Letters</i> , 2010, 12, 2646-2649.	4.6	121
2	Extraordinary Stability of Naphthalenediimide Radical Ion and Its Ultra-Electron-Deficient Precursor: Strategic Role of the Phosphonium Group. <i>Journal of the American Chemical Society</i> , 2014, 136, 12004-12010.	13.7	113
3	Toward Full Zigzag-Edged Nanographenes: <i>peri</i> -Tetracene and Its Corresponding Circumanthracene. <i>Journal of the American Chemical Society</i> , 2018, 140, 6240-6244.	13.7	98
4	Core-Modified Naphthalenediimides Generate Persistent Radical Anion and Cation: New Panchromatic NIR Probes. <i>Organic Letters</i> , 2012, 14, 4822-4825.	4.6	85
5	A Rapid, Low-Cost, and Scalable Technique for Printing State-of-the-Art Organic Field-Effect Transistors. <i>Advanced Materials Technologies</i> , 2016, 1, 1600090.	5.8	76
6	A tetrastable naphthalenediimide: anion induced charge transfer, single and double electron transfer for combinational logic gates. <i>Chemical Communications</i> , 2013, 49, 7684.	4.1	60
7	Naphthalene-bis-hydrazimide: radical anions and ICT as new bimodal probes for differential sensing of a library of amines. <i>Chemical Communications</i> , 2009, , 3702.	4.1	53
8	Single Electron Transfer-Driven Multi-Dimensional Signal Read-out Function of TCNQ as an "Off-the-Shelf" Detector for Cyanide. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6996-7000.	8.0	41
9	Persistent <i>peri</i> -Heptacene: Synthesis and In Situ Characterization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13853-13858.	13.8	27
10	Electron sponge from naphthalenediimide"viologen conjugates: water-stable, highly electron-deficient polyions with 1 V potential window. <i>Chemical Communications</i> , 2018, 54, 900-903.	4.1	26
11	Norepinephrine-induced apoptotic and hypertrophic responses in H9c2 cardiac myoblasts are characterized by different repertoire of reactive oxygen species generation. <i>Redox Biology</i> , 2015, 5, 243-252.	9.0	24
12	NTCDA"TF first axial fusion: emergent panchromatic, NIR optical, multi-state redox and high optical contrast photooxidation. <i>Chemical Communications</i> , 2012, 48, 6475.	4.1	22
13	Highly Oxidized States of Phthalocyaninato Terbium(III) Multiple-Decker Complexes Showing Structural Deformations, Biradical Properties and Decreases in Magnetic Anisotropy. <i>Chemistry - A European Journal</i> , 2020, 26, 8621-8630.	3.3	19
14	Buchwald-Hartwig Coupling at the Naphthalenediimide Core: Access to Dendritic, Panchromatic NIR Absorbers with Exceptionally Low Band Gap. <i>Organic Letters</i> , 2018, 20, 7864-7868.	4.6	18
15	Tailoring Magnetic Features in Zigzag-Edged Nanographenes by Controlled Diels-Alder Reactions. <i>Chemistry - A European Journal</i> , 2020, 26, 7497-7503.	3.3	17
16	Synthesis and Characterization of <i>peri</i> -Heptacene on a Metallic Surface. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	14
17	On-surface synthesis of porous graphene nanoribbons containing nonplanar [14]annulene pores. <i>Journal of Polymer Science</i> , 2022, 60, 1912-1917.	3.8	14
18	Self-Assembly of an Organic Radical Thin Film and Its Memory Function Investigated Using a Liquid-Metal Electrode. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17784-17791.	3.1	11

#	ARTICLE	IF	CITATIONS
19	Neutral Organic Radical Formation by Chemisorption on Metal Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3897-3904.	4.6	11
20	Persistent <i>peri</i> -Heptacene: Synthesis and In Situ Characterization. <i>Angewandte Chemie</i> , 2021, 133, 13972-13977.	2.0	11
21	Direct covalent grafting of an organic radical core on gold and silver. <i>RSC Advances</i> , 2017, 7, 20076-20083.	3.6	10
22	Assorted morphosynthesis: access to multi-faceted nano-architectures from a super-responsive dual $\pi$ -functional amphiphilic construct. <i>Chemical Communications</i> , 2015, 51, 15237-15240.	4.1	9
23	A surface confined yttrium( <sup>iii</sup> ) bis-phthalocyaninato complex: a colourful switch controlled by electrons. <i>Chemical Science</i> , 2016, 7, 4940-4944.	7.4	7
24	<i>peri</i> -Extended <i>peri</i> -Acenes: Recent Progress in Synthesis and Characterization. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	7
25	High Performance Organic Field-Effect Transistors with Solid and Aqueous Dielectric Based on a Solution Sheared Sulfur-Bridged Annulene Derivative. <i>Advanced Electronic Materials</i> , 2018, 4, 1700349.	5.1	6
26	Synthesis and Characterization of <i>peri</i> -Heptacene on a Metallic Surface. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
27	Extensive study of the electron donor 1,1,4,4-tetrathiabutadiene (TTB) and of its charge transfer crystal with TCNQ. <i>Synthetic Metals</i> , 2018, 235, 29-33.	3.9	4
28	Chapter 4. Functional Molecular and Supramolecular Materials for Electron Transfer Reactions and their Applications. <i>Monographs in Supramolecular Chemistry</i> , 0, , 110-179.	0.2	3
29	Innentitelbild: Synthesis and Characterization of <i>peri</i> -Heptacene on a Metallic Surface (Angew.) Tj ETQq1 1,0,784314 rgBT /Cve	2.0	0