

# Kristjan Eimre

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,689  
citations

331670

21  
h-index

377865

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological frustration induces unconventional magnetism in a nanographene. <i>Nature Nanotechnology</i> , 2020, 15, 22-28.	31.5	227
2	Synthesis and Characterization of $\pi$ -Extended Triangulene. <i>Journal of the American Chemical Society</i> , 2019, 141, 10621-10625.	13.7	165
3	Observation of fractional edge excitations in nanographene spin chains. <i>Nature</i> , 2021, 598, 287-292.	27.8	115
4	Bottom-Up Synthesis of Heteroatom-Doped Chiral Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2018, 140, 9104-9107.	13.7	110
5	Large magnetic exchange coupling in rhombus-shaped nanographenes with zigzag periphery. <i>Nature Chemistry</i> , 2021, 13, 581-586.	13.6	104
6	Collective All-Carbon Magnetism in Triangulene Dimers**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12041-12047.	13.8	96
7	On-Surface Synthesis of Antiaromatic and Open-Shell Indeno[2,1- <i>b</i> ]fluorene Polymers and Their Lateral Fusion into Porous Ribbons. <i>Journal of the American Chemical Society</i> , 2019, 141, 12346-12354.	13.7	71
8	Thermal runaway of metal nano-tips during intense electron emission. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 225203.	2.8	68
9	Coupled Spin States in Armchair Graphene Nanoribbons with Asymmetric Zigzag Edge Extensions. <i>Nano Letters</i> , 2020, 20, 6429-6436.	9.1	64
10	Synthesis and characterization of [7]triangulene. <i>Nanoscale</i> , 2021, 13, 1624-1628.	5.6	62
11	On-Surface Synthesis of a Nonplanar Porous Nanographene. <i>Journal of the American Chemical Society</i> , 2019, 141, 7726-7730.	13.7	61
12	On-Surface Synthesis of Non-Benzenoid Nanographenes by Oxidative Ring-Closure and Ring-Rearrangement Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 13565-13572.	13.7	58
13	On-Surface Synthesis of Unsaturated Carbon Nanostructures with Regularly Fused Pentagon-Heptagon Pairs. <i>Journal of the American Chemical Society</i> , 2020, 142, 10291-10296.	13.7	53
14	On-Surface Synthesis and Characterization of Triply Fused Porphyrin-Graphene Nanoribbon Hybrids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1334-1339.	13.8	47
15	Massive Dirac Fermion Behavior in a Low Bandgap Graphene Nanoribbon Near a Topological Phase Boundary. <i>Advanced Materials</i> , 2020, 32, e1906054.	21.0	44
16	AiiDA Lab – an ecosystem for developing, executing, and sharing scientific workflows. <i>Computational Materials Science</i> , 2021, 188, 110165.	3.0	40
17	Large-Cavity Coronoids with Different Inner and Outer Edge Structures. <i>Journal of the American Chemical Society</i> , 2020, 142, 12046-12050.	13.7	38
18	On-surface polyarylene synthesis by cycloaromatization of isopropyl substituents. , 2022, 1, 289-296.		31

#	ARTICLE	IF	CITATIONS
19	On-surface synthesis of singly and doubly porphyrin-capped graphene nanoribbon segments. <i>Chemical Science</i> , 2021, 12, 247-252.	7.4	27
20	On-surface synthesis and characterization of nitrogen-substituted undecacenes. <i>Nature Communications</i> , 2022, 13, 511.	12.8	26
21	On-surface synthesis of polyazulene with 2,6-connectivity. <i>Chemical Communications</i> , 2019, 55, 13466-13469.	4.1	23
22	Collective All- $\pi$ -Carbon Magnetism in Triangulene Dimers**. <i>Angewandte Chemie</i> , 2020, 132, 12139-12145.	2.0	23
23	On-Surface Synthesis and Characterization of Super-nonazethrene. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8314-8319.	4.6	22
24	On-surface synthesis of super-heptazethrene. <i>Chemical Communications</i> , 2020, 56, 7467-7470.	4.1	21
25	Application of the general thermal field model to simulate the behaviour of nanoscale Cu field emitters. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	18
26	Dynamic coupling of a finite element solver to large-scale atomistic simulations. <i>Journal of Computational Physics</i> , 2018, 367, 279-294.	3.8	18
27	<i>Ab initio</i> calculation of field emission from metal surfaces with atomic-scale defects. <i>Physical Review B</i> , 2019, 100, .	3.2	12
28	On-Surface Synthesis and Characterization of Triply Fused Porphyrin-Graphene Nanoribbon Hybrids. <i>Angewandte Chemie</i> , 2020, 132, 1350-1355.	2.0	11
29	Atomic-resolution differential phase contrast STEM on ferroelectric materials: A mean-field approach. <i>Physical Review B</i> , 2020, 101, .	3.2	11
30	Common workflows for computing material properties using different quantum engines. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	10
31	Metallic carbon nanotube quantum dots with broken symmetries as a platform for tunable terahertz detection. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	5
32	Reaction Pathway toward Seven-Atom-Wide Armchair Graphene Nanoribbon Formation and Identification of Intermediate Species on Au(111). <i>Journal of Physical Chemistry C</i> , 2020, 124, 16009-16018.	3.1	3
33	InnenrÃ¼cktitelbild: On-Surface Synthesis and Characterization of Triply Fused Porphyrin-Graphene Nanoribbon Hybrids ( <i>Angew. Chem.</i> 3/2020). <i>Angewandte Chemie</i> , 2020, 132, 1371-1371.	2.0	2