Kristjan Eimre

List of Publications by Year in descending order

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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	On-surface synthesis and characterization of nitrogen-substituted undecacenes. Nature Communications, 2022, 13, 511.	12.8	26
2	On-surface polyarylene synthesis by cycloaromatization of isopropyl substituents. , 2022, 1, 289-296.		31
3	On-surface synthesis of singly and doubly porphyrin-capped graphene nanoribbon segments. Chemical Science, 2021, 12, 247-252.	7.4	27
4	Synthesis and characterization of [7]triangulene. Nanoscale, 2021, 13, 1624-1628.	5.6	62
5	AiiDAlab â€“ an ecosystem for developing, executing, and sharing scientific workflows. Computational Materials Science, 2021, 188, 110165.	3.0	40
6	Large magnetic exchange coupling in rhombus-shaped nanographenes with zigzag periphery. Nature Chemistry, 2021, 13, 581-586.	13.6	104
7	Metallic carbon nanotube quantum dots with broken symmetries as a platform for tunable terahertz detection. Applied Physics Reviews, 2021, 8, .	11.3	5
8	On-Surface Synthesis and Characterization of Super-nonazethrene. Journal of Physical Chemistry Letters, 2021, 12, 8314-8319.	4.6	22
9	Common workflows for computing material properties using different quantum engines. Npj Computational Materials, 2021, 7, .	8.7	10
10	Observation of fractional edge excitations in nanographene spin chains. Nature, 2021, 598, 287-292.	27.8	115
11	Onâ€Surface Synthesis and Characterization of Triply Fused Porphyrinâ€“Graphene Nanoribbon Hybrids. Angewandte Chemie - International Edition, 2020, 59, 1334-1339.	13.8	47
12	Onâ€Surface Synthesis and Characterization of Triply Fused Porphyrinâ€“Graphene Nanoribbon Hybrids. Angewandte Chemie, 2020, 132, 1350-1355.	2.0	11
13	InnenrÃ¼cktitelbild: Onâ€Surface Synthesis and Characterization of Triply Fused Porphyrinâ€“Graphene Nanoribbon Hybrids (Angew. Chem. 3/2020). Angewandte Chemie, 2020, 132, 1371-1371.	2.0	2
14	Topological frustration induces unconventional magnetism in a nanographene. Nature Nanotechnology, 2020, 15, 22-28.	31.5	227
15	On-Surface Synthesis of Non-Benzenoid Nanographenes by Oxidative Ring-Closure and Ring-Rearrangement Reactions. Journal of the American Chemical Society, 2020, 142, 13565-13572.	13.7	58
16	Coupled Spin States in Armchair Graphene Nanoribbons with Asymmetric Zigzag Edge Extensions. Nano Letters, 2020, 20, 6429-6436.	9.1	64
17	On-Surface Synthesis of Unsaturated Carbon Nanostructures with Regularly Fused Pentagonâ€“Heptagon Pairs. Journal of the American Chemical Society, 2020, 142, 10291-10296.	13.7	53
18	On-surface synthesis of super-heptazethrene. Chemical Communications, 2020, 56, 7467-7470.	4.1	21

#	Article	IF	Citations
19	Reaction Pathway toward Seven-Atom-Wide Armchair Graphene Nanoribbon Formation and Identification of Intermediate Species on Au(111). Journal of Physical Chemistry C, 2020, 124, 16009-16018.	3.1	3
20	Large-Cavity Coronoids with Different Inner and Outer Edge Structures. Journal of the American Chemical Society, 2020, 142, 12046-12050.	13.7	38
21	Massive Dirac Fermion Behavior in a Low Bandgap Graphene Nanoribbon Near a Topological Phase Boundary. Advanced Materials, 2020, 32, e1906054.	21.0	44
22	Collective Allâ€Carbon Magnetism in Triangulene Dimers**. Angewandte Chemie, 2020, 132, 12139-12145.	2.0	23
23	Collective Allâ€Carbon Magnetism in Triangulene Dimers**. Angewandte Chemie - International Edition, 2020, 59, 12041-12047.	13.8	96
24	Atomic-resolution differential phase contrast STEM on ferroelectric materials: A mean-field approach. Physical Review B, 2020, 101, .	3.2	11
25	On-Surface Synthesis of Antiaromatic and Open-Shell Indeno[2,1-b]fluorene Polymers and Their Lateral Fusion into Porous Ribbons. Journal of the American Chemical Society, 2019, 141, 12346-12354.	13.7	71
26	Ab initio calculation of field emission from metal surfaces with atomic-scale defects. Physical Review B, 2019, 100, .	3.2	12
27	Synthesis and Characterization of Ï€-Extended Triangulene. Journal of the American Chemical Society, 2019, 141, 10621-10625.	13.7	165
28	On-Surface Synthesis of a Nonplanar Porous Nanographene. Journal of the American Chemical Society, 2019, 141, 7726-7730.	13.7	61
29	On-surface synthesis of polyazulene with 2,6-connectivity. Chemical Communications, 2019, 55, 13466-13469.	4.1	23
30	Dynamic coupling of a finite element solver to large-scale atomistic simulations. Journal of Computational Physics, 2018, 367, 279-294.	3.8	18
31	Thermal runaway of metal nano-tips during intense electron emission. Journal Physics D: Applied Physics, 2018, 51, 225203.	2.8	68
32	Bottom-Up Synthesis of Heteroatom-Doped Chiral Graphene Nanoribbons. Journal of the American Chemical Society, 2018, 140, 9104-9107.	13.7	110
33	Application of the general thermal field model to simulate the behaviour of nanoscale Cu field emitters. Journal of Applied Physics, 2015, 118, .	2.5	18