Masanori Koshino

List of Publications by Year
in descending order

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41 papers	2,055 citations	430874 18 h-index	345221 36 g-index
42 all docs	42 docs citations	42 times ranked	3117 citing authors

#	Article	IF	Citations
1	Multiple 2D Phase Transformations in Monolayer Transition Metal Chalcogenides. Advanced Materials, 2022, 34, e2200643.	21.0	6
2	Deciphering the Intense Postgap Absorptions of Monolayer Transition Metal Dichalcogenides. ACS Nano, 2021, 15, 7783-7789.	14.6	4
3	Thermal management function of graphene under cryogenic temperature. Carbon, 2021, 183, 970-976.	10.3	1
4	Filling control of n-type and p-type dopant molecules in single-wall carbon nanotubes. Applied Physics Express, 2020, 13, 065003.	2.4	1
5	STEM imaging artifacts with three-fold astigmatism in monolayer transition metal dichalcogenides. Applied Physics Letters, 2020, 116, .	3.3	5
6	Structural Biology Using Electron Microscopy. , 2018, , 249-276.		0
7	Unexpected Huge Dimerization Ratio in One-Dimensional Carbon Atomic Chains. Nano Letters, 2017, 17, 494-500.	9.1	35
8	OM-III-4Low-voltage STEM-EELS for Single Atom- and Single Molecule- Analysis and Its Interpretations. Microscopy (Oxford, England), 2016, 65, i20-i20.	1.5	0
9	Distributions of hafnia and titania cores in EUV metal resists evaluated by scanning transmission electron microscopy and electron energy loss spectroscopy. Applied Physics Express, 2016, 9, 111801.	2.4	5
10	Metal resist for extreme ultraviolet lithography characterized by scanning transmission electron microscopy. Applied Physics Express, 2016, 9, 031601.	2.4	13
11	Structure and Local Chemical Properties of Boron-Terminated Tetravacancies in Hexagonal Boron Nitride. Physical Review Letters, 2015, 114, 075502.	7.8	33
12	Structural and Chemical Dynamics of Pyridinic-Nitrogen Defects in Graphene. Nano Letters, 2015, 15, 7408-7413.	9.1	204
13	Conformational Analysis of Single Perfluoroalkyl Chains by Single-Molecule Real-Time Transmission Electron Microscopic Imaging. Journal of the American Chemical Society, 2014, 136, 466-473.	13.7	26
14	Single Molecular Spectroscopy: Identification of Individual Fullerene Molecules. Physical Review Letters, 2014, 113, 185502.	7.8	7
15	Stability and Spectroscopy of Single Nitrogen Dopants in Graphene at Elevated Temperatures. ACS Nano, 2014, 8, 11806-11815.	14.6	45
16	Atomic Level Spatial Variations of Energy States along Graphene Edges. Nano Letters, 2014, 14, 6155-6159.	9.1	33
17	Multiple reaction pathways of metallofullerenes investigated by transmission electron microscopy. Dalton Transactions, 2014, 43, 7359-7365.	3.3	3
18	Motional Analysis of a Single Organic Molecule by TEM Using Nanocarbon Materials: Scope of Atomic Level Imaging and Spectroscopy. Advances in Atom and Single Molecule Machines, 2013, , 29-37.	0.0	0

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19	Single atom imaging and spectroscopy in nanostructured carbon materials. MRS Bulletin, 2012, 37, 36-38.	3.5	5
20	Core-Level Spectroscopy of Point Defects in Single Layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>h</mml:mi></mml:math>-BN. Physical Review Letters, 2012, 108, 075501.	7.8	54
21	Heterogeneous nucleation of organic crystals mediated by single-molecule templates. Nature Materials, 2012, 11, 877-881.	27.5	112
22	Atomic imaging and spectroscopy of low-dimensional materials with interrupted periodicities. Journal of Electron Microscopy, 2012, 61, 285-291.	0.9	9
23	Electron Microscopic Imaging of a Single Group 8 Metal Atom Catalyzing Câ€“C Bond Reorganization of Fullerenes. Journal of the American Chemical Society, 2011, 133, 14151-14153.	13.7	43
24	Atomically Resolved Images of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mi>h</mml:mi></mml:msub></mml:math>Ice Single Crystals in the Solid Phase. Physical Review Letters, 2011, 106, 206101.	7.8	25
25	Study of structures at the boundary and defects in organic thin films of perchlorocoronene by high-resolution and analytical transmission electron microscopy. Ultramicroscopy, 2010, 110, 1465-1474.	1.9	10
26	Atom-by-atom spectroscopy at graphene edge. Nature, 2010, 468, 1088-1090.	27.8	446
27	Analysis of the reactivity and selectivity of fullerene dimerization reactions at the atomic level. Nature Chemistry, 2010, 2, 117-124.	13.6	127
28	HR-TEM of Carbon Network, Towards Individual C-C Bond Imaging. Microscopy and Microanalysis, 2009, 15, 122-123.	0.4	0
29	Passage of Single Hydrocarbon Chains Through a Defect of Carbon Nanotube. Microscopy and Microanalysis, 2009, 15, 1170-1171.	0.4	0
30	Imaging the passage of a single hydrocarbon chain through a nanopore. Nature Nanotechnology, 2008, 3, 595-597.	31.5	55
31	Imaging of Conformational Changes of Biotinylated Triamide Molecules Covalently Bonded to a Carbon Nanotube Surface. Journal of the American Chemical Society, 2008, 130, 7808-7809.	13.7	35
32	Imaging of Aromatic Amide Molecules in Motion. Chemistry Letters, 2007, 36, 1208-1209.	1.3	31
33	Stability Due to Peripheral Halogenation in Phthalocyanine Complexes. Microscopy and Microanalysis, 2007, 13, 96-107.	0.4	16
34	Imaging of Single Organic Molecules in Motion. Science, 2007, 316, 853-853.	12.6	240
35	Imaging active topological defects in carbon nanotubes. Nature Nanotechnology, 2007, 2, 358-360.	31.5	338
36	Transmission Electron Microscopy Imaging of Individual Functional Groups of Fullerene Derivatives. Physical Review Letters, 2006, 96, 088304.	7.8	43

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37	Radiation damage analysis of 7,7,8,8,-tetracyanoquinodimethane (TCNQ) and 2,3,5,6,-tetrafluoro-7,7,8,8,-tetracyanoquinodimethane (F4TCNQ) by electron diffraction and electron energy loss spectroscopy. Micron, 2005, 36, 271-279.	2.2	7
38	Structural Analysis of Bis(1,2-benzoquinonedioximato)platinum(II) Polymorphs Formed Epitaxially on Alkali Halides. Japanese Journal of Applied Physics, 2005, 44, 491-494.	1.5	2
39	Characterization of GrÃ„Tzel Dye on Tio2Particles by Transmission Electron Microscopy. Molecular Crystals and Liquid Crystals, 2004, 424, 95-102.	0.9	3
40	DV-XÎ± calculation of electron energy-loss near edge-structures of 2,3,5,6-tetrafluoro-7,7,8,8-tetracyanoquinodimethane (F4TCNQ). Journal of Electron Spectroscopy and Related Phenomena, 2004, 135, 191-200.	1.7	18
41	Branching ratio and L2+L3 intensities of 3d-transition metals in phthalocyanines and the amine complexes. Micron, 2000, 31, 373-380.	2.2	15