

Takayoshi Sasaki

List of Publications by Year in descending order

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372
papers

34,839
citations

2802

94
h-index

4015

176
g-index

377
all docs

377
docs citations

377
times ranked

25593
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Z-scheme construction of g-C ₃ N ₄ quantum dots / TiO ₂ nanoflakes for efficient photocatalysis. <i>Chemical Engineering Journal</i> , 2022, 430, 132861.	12.7	63
2	Molecular-Scale Manipulation of Layer Sequence in Heteroassembled Nanosheet Films toward Oxygen Evolution Electrocatalysts. <i>ACS Nano</i> , 2022, 16, 4028-4040.	14.6	29
3	Transition-metal hydroxide nanosheets with peculiar double-layer structures as efficient electrocatalysts. <i>Chem Catalysis</i> , 2022, 2, 867-882.	6.1	10
4	Accelerated Ionic and Charge Transfer through Atomic Interfacial Electric Fields for Superior Sodium Storage. <i>ACS Nano</i> , 2022, 16, 4775-4785.	14.6	28
5	Single-Crystal Growth of Layered Birnessite-Type Manganese Oxides and Their Delamination into MnO ₂ Nanosheets. <i>Crystal Growth and Design</i> , 2022, 22, 625-632.	3.0	2
6	Controlled Synthesis of Perforated Oxide Nanosheets with High Density Nanopores Showing Superior Water Purification Performance. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18513-18524.	8.0	7
7	Chemically exfoliated inorganic nanosheets for nanoelectronics. <i>Applied Physics Reviews</i> , 2022, 9, .	11.3	15
8	Rational Assembly of Two-Dimensional Perovskite Nanosheets as Building Blocks for New Ferroelectrics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1783-1790.	8.0	12
9	Superlattice films of semiconducting oxide and rare-earth hydroxide nanosheets for tunable and efficient photoluminescent energy transfer. <i>Nanoscale</i> , 2021, 13, 4551-4561.	5.6	15
10	Three-in-one cathode host based on Nb ₃ O ₈ /graphene superlattice heterostructures for high-performance Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9952-9960.	10.3	22
11	Enhancing the Catalytic Activity of Palladium Nanoparticles via Sandwich-Like Confinement by Thin Titanate Nanosheets. <i>ACS Catalysis</i> , 2021, 11, 2754-2762.	11.2	13
12	Exfoliated Ferrierite-Related Unilamellar Nanosheets in Solution and Their Use for Preparation of Mixed Zeolite Hierarchical Structures. <i>Journal of the American Chemical Society</i> , 2021, 143, 11052-11062.	13.7	18
13	Aqueous Formate-Based Li-CO ₂ Battery with Low Charge Overpotential and High Working Voltage. <i>Advanced Energy Materials</i> , 2021, 11, 2101630.	19.5	19
14	Atomic-scale regulation of anionic and cationic migration in alkali metal batteries. <i>Nature Communications</i> , 2021, 12, 4184.	12.8	57
15	Solution-Processed Two-Dimensional Metal Oxide Anticorrosion Nanocoating. <i>Nano Letters</i> , 2021, 21, 7044-7049.	9.1	15
16	Construction of Multilayer Films and Superlattice- and Mosaic-like Heterostructures of 2D Metal Oxide Nanosheets via a Facile Spin-Coating Process. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43258-43265.	8.0	12
17	General Synthesis of Layered Rare-Earth Hydroxides (RE = Sm, Eu, Gd, Tb, Dy, Ho, Er, Y) and Direct Exfoliation into Monolayer Nanosheets with High Color Purity. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10135-10143.	4.6	16
18	Propagating wave in a fluid by coherent motion of 2D colloids. <i>Nature Communications</i> , 2021, 12, 6771.	12.8	10

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19	Giant two-dimensional titania sheets for constructing a flexible fiber sodium-ion battery with long-term cycling stability. <i>Energy Storage Materials</i> , 2020, 24, 504-511.	18.0	22
20	2D Superlattices for Efficient Energy Storage and Conversion. <i>Advanced Materials</i> , 2020, 32, e1902654.	21.0	117
21	Two-Dimensional Molecular Sheets of Transition Metal Oxides toward Wearable Energy Storage. <i>Accounts of Chemical Research</i> , 2020, 53, 2443-2455.	15.6	25
22	A mechanically adaptive hydrogel with a reconfigurable network consisting entirely of inorganic nanosheets and water. <i>Nature Communications</i> , 2020, 11, 6026.	12.8	29
23	Two-dimensional organic-inorganic superlattice-like heterostructures for energy storage applications. <i>Energy and Environmental Science</i> , 2020, 13, 4834-4853.	30.8	64
24	Single Droplet Assembly for Two-Dimensional Nanosheet Tiling. <i>ACS Nano</i> , 2020, 14, 15216-15226.	14.6	29
25	Scalable Design of Two-Dimensional Oxide Nanosheets for Construction of Ultrathin Multilayer Nanocapacitor. <i>Small</i> , 2020, 16, 2003485.	10.0	12
26	On/Off Boundary of Photocatalytic Activity between Single- and Bilayer MoS ₂ . <i>ACS Nano</i> , 2020, 14, 6663-6672.	14.6	29
27	Anisotropic fluoride nanocrystals modulated by facet-specific passivation and their disordered surfaces. <i>National Science Review</i> , 2020, 7, 841-848.	9.5	20
28	Liquid dispersions of zeolite monolayers with high catalytic activity prepared by soft-chemical exfoliation. <i>Science Advances</i> , 2020, 6, eaay8163.	10.3	37
29	Strain engineering of two-dimensional multilayered heterostructures for beyond-lithium-based rechargeable batteries. <i>Nature Communications</i> , 2020, 11, 3297.	12.8	134
30	CoNiFe Layered Double Hydroxide/RuO _{2.1} Nanosheet Superlattice as Carbon-Free Electrocatalysts for Water Splitting and Li-O ₂ Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33083-33093.	8.0	47
31	Construction of a push-pull system in g-C ₃ N ₄ for efficient photocatalytic hydrogen evolution under visible light. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13299-13310.	10.3	37
32	Visualizing Transparent 2D Sheets by Fluorescence Quenching Microscopy. <i>Small Methods</i> , 2020, 4, 2000036.	8.6	6
33	Synthesis of Co(II)-Fe(III) Hydroxide Nanocones with Mixed Octahedral/Tetrahedral Coordination toward Efficient Electrocatalysis. <i>Chemistry of Materials</i> , 2020, 32, 4232-4240.	6.7	26
34	Surface-Modified Two-Dimensional Titanium Carbide Sheets for Intrinsic Vibrational Signal-Retained Surface-Enhanced Raman Scattering with Ultrahigh Uniformity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23523-23531.	8.0	25
35	2D Layered Double Hydroxide Nanosheets and Their Derivatives Toward Efficient Oxygen Evolution Reaction. <i>Nano-Micro Letters</i> , 2020, 12, 86.	27.0	124
36	Recent progress in functionalized layered double hydroxides and their application in efficient electrocatalytic water oxidation. <i>Journal of Energy Chemistry</i> , 2019, 32, 93-104.	12.9	70

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37	Intrinsic and Defect-Related Elastic Moduli of Boron Nitride Nanotubes As Revealed by <i>in Situ</i> Transmission Electron Microscopy. <i>Nano Letters</i> , 2019, 19, 4974-4980.	9.1	8
38	Superionic conduction along ordered hydroxyl networks in molecular-thin nanosheets. <i>Materials Horizons</i> , 2019, 6, 2087-2093.	12.2	22
39	Kinking effects and transport properties of coaxial BN-C nanotubes as revealed by <i>in situ</i> transmission electron microscopy and theoretical analysis. <i>APL Materials</i> , 2019, 7, 101118.	5.1	0
40	Photocharge Trapping in Two-Sheet Reduced Graphene Oxide ^{Ti_{0.87}O₂} Heterostructures and Their Photoreduction and Photomemory Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 6378-6386.	5.0	6
41	Tunable Chemical Coupling in Two-Dimensional van der Waals Electrostatic Heterostructures. <i>ACS Nano</i> , 2019, 13, 11214-11223.	14.6	13
42	<i>In situ</i> growth of metallic Ag ⁰ intercalated CoAl layered double hydroxides as efficient electrocatalysts for the oxygen reduction reaction in alkaline solutions. <i>Dalton Transactions</i> , 2019, 48, 1084-1094.	3.3	30
43	Preparation of 1D ultrathin niobate nanobelts by liquid exfoliation as photocatalysts for hydrogen generation. <i>Chemical Communications</i> , 2019, 55, 2417-2420.	4.1	6
44	Internal structure and mechanical property of an anisotropic hydrogel with electrostatic repulsion between nanosheets. <i>Polymer</i> , 2019, 177, 43-48.	3.8	10
45	Origin of Extended UV Stability of 2D Atomic Layer Titania-Based Perovskite Solar Cells Unveiled by Ultrafast Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21473-21480.	8.0	11
46	Interface Modulation of Two-Dimensional Superlattices for Efficient Overall Water Splitting. <i>Nano Letters</i> , 2019, 19, 4518-4526.	9.1	191
47	Size-Independent Fast Ion Intercalation in Two-Dimensional Titania Nanosheets for Alkali-Metal-Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 8832-8837.	2.0	13
48	Size-Independent Fast Ion Intercalation in Two-Dimensional Titania Nanosheets for Alkali-Metal-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8740-8745.	13.8	53
49	Recent advances in developing high-performance nanostructured electrocatalysts based on 3d transition metal elements. <i>Nanoscale Horizons</i> , 2019, 4, 789-808.	8.0	53
50	The rise of 2D dielectrics/ferroelectrics. <i>APL Materials</i> , 2019, 7, .	5.1	66
51	Progress and perspective on two-dimensional unilamellar metal oxide nanosheets and tailored nanostructures from them for electrochemical energy storage. <i>Energy Storage Materials</i> , 2019, 19, 281-298.	18.0	34
52	Tunable Mechanical and Electrical Properties of Coaxial BN-C Nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800576.	2.4	3
53	Controlled Assembly of Inorganic Nanosheets and Its Application to High-Performance Metamaterials. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2019, 70, 355-358.	0.2	0
54	Liquid Phase Exfoliation of MoS ₂ Assisted by Formamide Solvothermal Treatment and Enhanced Electrocatalytic Activity Based on (H ₃ Mo ₁₂ O ₄₀ /P/MoS ₂) _n Multilayer Structure. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5227-5237.	6.7	39

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55	Synthesis and Substitution Chemistry of Redox-Active Manganese/Cobalt Oxide Nanosheets. <i>Chemistry of Materials</i> , 2018, 30, 1517-1523.	6.7	31
56	Genuine Unilamellar Metal Oxide Nanosheets Confined in a Superlattice-like Structure for Superior Energy Storage. <i>ACS Nano</i> , 2018, 12, 1768-1777.	14.6	122
57	Rare Cobalt-Based Phosphate Nanoribbons with Unique 5-Coordination for Electrocatalytic Water Oxidation. <i>ACS Energy Letters</i> , 2018, 3, 1254-1260.	17.4	57
58	Two-dimensional porous cuprous oxide nanoplatelets derived from metal-organic frameworks (MOFs) for efficient photocatalytic dye degradation under visible light. <i>Dalton Transactions</i> , 2018, 47, 7694-7700.	3.3	35
59	Low-temperature synthesis and investigation into the formation mechanism of high quality Ni-Fe layered double hydroxides hexagonal platelets. <i>Scientific Reports</i> , 2018, 8, 4179.	3.3	56
60	Unilamellar Metallic MoS ₂ /Graphene Superlattice for Efficient Sodium Storage and Hydrogen Evolution. <i>ACS Energy Letters</i> , 2018, 3, 997-1005.	17.4	184
61	Insight into the structural and electronic nature of chemically exfoliated molybdenum disulfide nanosheets in aqueous dispersions. <i>Dalton Transactions</i> , 2018, 47, 3014-3021.	3.3	16
62	Massive hydration-driven swelling of layered perovskite niobate crystals in aqueous solutions of organo-ammonium bases. <i>Dalton Transactions</i> , 2018, 47, 3022-3028.	3.3	7
63	Recent progress on exploring exceptionally high and anisotropic H ⁺ /OH ⁻ ion conduction in two-dimensional materials. <i>Chemical Science</i> , 2018, 9, 33-43.	7.4	44
64	Self-Assembly Atomic Stacking Transport Layer of 2D Layered Titania for Perovskite Solar Cells with Extended UV Stability. <i>Advanced Energy Materials</i> , 2018, 8, 1701722.	19.5	46
65	Nanoarchitectonics in dielectric/ferroelectric layered perovskites: from bulk 3D systems to 2D nanosheets. <i>Dalton Transactions</i> , 2018, 47, 2841-2851.	3.3	42
66	Reversible Switching of the Magnetic Orientation of Titanate Nanosheets by Photochemical Reduction and Autoxidation. <i>Journal of the American Chemical Society</i> , 2018, 140, 16396-16401.	13.7	22
67	Two-Dimensional Unilamellar Cation-Deficient Metal Oxide Nanosheet Superlattices for High-Rate Sodium Ion Energy Storage. <i>ACS Nano</i> , 2018, 12, 12337-12346.	14.6	111
68	Monolayer Attachment of Metallic MoS ₂ on Restacked Titania Nanosheets for Efficient Photocatalytic Hydrogen Generation. <i>ACS Applied Energy Materials</i> , 2018, 1, 6912-6918.	5.1	15
69	An Anisotropic Hydrogel Actuator Enabling Earthworm-Like Directed Peristaltic Crawling. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15772-15776.	13.8	139
70	Extra-Large Mechanical Anisotropy of a Hydrogel with Maximized Electrostatic Repulsion between Cofacially Aligned 2D Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12508-12513.	13.8	30
71	Spontaneous Direct Band Gap, High Hole Mobility, and Huge Exciton Energy in Atomic-Thin TiO ₂ Nanosheet. <i>Chemistry of Materials</i> , 2018, 30, 6449-6457.	6.7	50
72	Redox Active Cation Intercalation/Deintercalation in Two-Dimensional Layered MnO ₂ Nanostructures for High-Rate Electrochemical Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6282-6291.	8.0	80

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73	Photoinduced structural changes of cationic azo dyes confined in a two dimensional nanospace by two different mechanisms. RSC Advances, 2017, 7, 8077-8081.	3.6	18
74	Single-layer nanosheets with exceptionally high and anisotropic hydroxyl ion conductivity. Science Advances, 2017, 3, e1602629.	10.3	154
75	Flexible Lithium-Ion Fiber Battery by the Regular Stacking of Two-Dimensional Titanium Oxide Nanosheets Hybridized with Reduced Graphene Oxide. Nano Letters, 2017, 17, 3543-3549.	9.1	148
76	Layer-by-layer engineering of two-dimensional perovskite nanosheets for tailored microwave dielectrics. Applied Physics Express, 2017, 10, 091501.	2.4	14
77	Atomic Layer Engineering of High- $\hat{\rho}$ Ferroelectricity in 2D Perovskites. Journal of the American Chemical Society, 2017, 139, 10868-10874.	13.7	55
78	Stability and Nature of Chemically Exfoliated MoS ₂ in Aqueous Suspensions. Inorganic Chemistry, 2017, 56, 7620-7623.	4.0	35
79	Neat monolayer tiling of molecularly thin two-dimensional materials in 1 min. Science Advances, 2017, 3, e1700414.	10.3	63
80	High-temperature dielectric responses in all-nanosheet capacitors. Japanese Journal of Applied Physics, 2017, 56, 06GH09.	1.5	8
81	Thermally stable dielectric responses in uniaxially (001)-oriented CaBi ₄ Ti ₄ O ₁₅ nanofilms grown on a Ca ₂ Nb ₃ O ₁₀ nanosheet seed layer. Scientific Reports, 2016, 6, 20713.	3.3	8
82	Atomically resolved structure of ligand-protected Au ₉ clusters on TiO ₂ nanosheets using aberration-corrected STEM. Journal of Chemical Physics, 2016, 144, 114703.	3.0	25
83	Highly selective charge-guided ion transport through a hybrid membrane consisting of anionic graphene oxide and cationic hydroxide nanosheet superlattice units. NPC Asia Materials, 2016, 8, e259-e259.	7.9	56
84	Development of efficient electrocatalysts via molecular hybridization of NiMn layered double hydroxide nanosheets and graphene. Nanoscale, 2016, 8, 10425-10432.	5.6	134
85	Advanced capacitor technology based on two-dimensional nanosheets. Japanese Journal of Applied Physics, 2016, 55, 1102A3.	1.5	7
86	Two dimensional and layered transition metal oxides. Applied Materials Today, 2016, 5, 73-89.	4.3	400
87	Modulation of Photochemical Activity of Titania Nanosheets via Heteroassembly with Reduced Graphene Oxide. Enhancement of Photoinduced Hydrophilic Conversion Properties. Journal of Physical Chemistry C, 2016, 120, 23944-23950.	3.1	20
88	Intrinsic high water/ion selectivity of graphene oxide lamellar membranes in concentration gradient-driven diffusion. Chemical Science, 2016, 7, 6988-6994.	7.4	66
89	Grouping and aggregation of ligand protected Au ₉ clusters on TiO ₂ nanosheets. RSC Advances, 2016, 6, 110765-110774.	3.6	17
90	Organic-Base-Driven Intercalation and Delamination for the Production of Functionalized Titanium Carbide Nanosheets with Superior Photothermal Therapeutic Performance. Angewandte Chemie - International Edition, 2016, 55, 14569-14574.	13.8	480

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91	Photonic water dynamically responsive to external stimuli. <i>Nature Communications</i> , 2016, 7, 12559.	12.8	83
92	Organic-Base-Driven Intercalation and Delamination for the Production of Functionalized Titanium Carbide Nanosheets with Superior Photothermal Therapeutic Performance. <i>Angewandte Chemie</i> , 2016, 128, 14789-14794.	2.0	167
93	Hunting for Monolayer Oxide Nanosheets and Their Architectures. <i>Scientific Reports</i> , 2016, 6, 19402.	3.3	23
94	Coexistence of Magnetic Order and Ferroelectricity at 2D Nanosheet Interfaces. <i>Journal of the American Chemical Society</i> , 2016, 138, 7621-7625.	13.7	45
95	Å¼cktitelbild: Polymeric Micelle Assembly with Inorganic Nanosheets for Construction of Mesoporous Architectures with Crystallized Walls (<i>Angew. Chem.</i> 14/2015). <i>Angewandte Chemie</i> , 2015, 127, 4478-4478.	2.0	0
96	High-temperature dielectric responses of molecularly-thin titania nanosheet. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 335-339.	1.1	8
97	Efficient Photoinduced Charge Accumulation in Reduced Graphene Oxide Coupled with Titania Nanosheets To Show Highly Enhanced and Persistent Conductance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11436-11443.	8.0	23
98	Artificial design for new ferroelectrics using nanosheet-architectonics concept. <i>Nanotechnology</i> , 2015, 26, 244001.	2.6	14
99	An anisotropic hydrogel with electrostatic repulsion between cofacially aligned nanosheets. <i>Nature</i> , 2015, 517, 68-72.	27.8	440
100	Nanosheet architectonics: a hierarchically structured assembly for tailored fusion materials. <i>Polymer Journal</i> , 2015, 47, 89-98.	2.7	40
101	Tuning the Surface Charge of 2D Oxide Nanosheets and the Bulk-Scale Production of Superlattice-like Composites. <i>Journal of the American Chemical Society</i> , 2015, 137, 2844-2847.	13.7	73
102	A Superlattice of Alternately Stacked Ni-Fe Hydroxide Nanosheets and Graphene for Efficient Splitting of Water. <i>ACS Nano</i> , 2015, 9, 1977-1984.	14.6	635
103	Organization of Artificial Superlattices Utilizing Nanosheets as a Building Block and Exploration of Their Advanced Functions. <i>Annual Review of Materials Research</i> , 2015, 45, 111-127.	9.3	36
104	Analysis of the structure and degree of crystallisation of $70\text{Li}_{20}\text{S}_{30}\text{P}_{20}\text{S}_{50}$ glass ceramic. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2756-2761.	10.3	100
105	Highly efficient quasi-static water desalination using monolayer graphene oxide/titania hybrid laminates. <i>NPG Asia Materials</i> , 2015, 7, e162-e162.	7.9	94
106	Polymeric Micelle Assembly with Inorganic Nanosheets for Construction of Mesoporous Architectures with Crystallized Walls. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4222-4225.	13.8	64
107	EELS study of Fe- or Co-doped titania nanosheets. <i>Microscopy (Oxford, England)</i> , 2015, 64, 77-85.	1.5	4
108	Macroscopic and Strong Ribbons of Functionality-Rich Metal Oxides from Highly Ordered Assembly of Unilamellar Sheets. <i>Journal of the American Chemical Society</i> , 2015, 137, 13200-13208.	13.7	32

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109	Highly Enhanced and Switchable Photoluminescence Properties in Pillared Layered Hydroxides Stabilizing Ce ³⁺ . <i>Journal of Physical Chemistry C</i> , 2015, 119, 26229-26236.	3.1	15
110	Thermoresponsive actuation enabled by permittivity switching in an electrostatically anisotropic hydrogel. <i>Nature Materials</i> , 2015, 14, 1002-1007.	27.5	530
111	Accordion-like swelling of layered perovskite crystals via massive permeation of aqueous solutions into 2D oxide galleries. <i>Chemical Communications</i> , 2015, 51, 17068-17071.	4.1	35
112	Two-Dimensional Oxide and Hydroxide Nanosheets: Controllable High-Quality Exfoliation, Molecular Assembly, and Exploration of Functionality. <i>Accounts of Chemical Research</i> , 2015, 48, 136-143.	15.6	425
113	2D Perovskite Nanosheets with Thermally-Stable High- \hat{p} Response: A New Platform for High-Temperature Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19510-19514.	8.0	50
114	High-yield Preparation, Versatile Structural Modification, and Properties of Layered Cobalt Hydroxide Nanocones. <i>Advanced Functional Materials</i> , 2014, 24, 4292-4302.	14.9	75
115	Titanium Oxide Nanosheets: Graphene Analogues with Versatile Functionalities. <i>Chemical Reviews</i> , 2014, 114, 9455-9486.	47.7	557
116	Gigantic Swelling of Inorganic Layered Materials: A Bridge to Molecularly Thin Two-Dimensional Nanosheets. <i>Journal of the American Chemical Society</i> , 2014, 136, 5491-5500.	13.7	125
117	All-Nanosheet Ultrathin Capacitors Assembled Layer-by-Layer <i>via</i> Solution-Based Processes. <i>ACS Nano</i> , 2014, 8, 2658-2666.	14.6	82
118	Superlattice assembly of graphene oxide (GO) and titania nanosheets: fabrication, in situ photocatalytic reduction of GO and highly improved carrier transport. <i>Nanoscale</i> , 2014, 6, 14419-14427.	5.6	25
119	Controlled doping of semiconducting titania nanosheets for tailored spinelectronic materials. <i>Nanoscale</i> , 2014, 6, 14227-14236.	5.6	41
120	Chemical composition and magnetic property modifications of Na ₂ Ti ₂ Sb ₂ O using PTFE as an alkali-metal ion extraction reagent. <i>Journal of Fluorine Chemistry</i> , 2014, 168, 189-192.	1.7	3
121	Versatile van der Waals epitaxy-like growth of crystal films using two-dimensional nanosheets as a seed layer: orientation tuning of SrTiO ₃ films along three important axes on glass substrates. <i>Journal of Materials Chemistry C</i> , 2014, 2, 441-449.	5.5	58
122	The aqueous colloidal suspension of ultrathin 2D MCM-22P crystallites. <i>Chemical Communications</i> , 2014, 50, 7378.	4.1	16
123	Tetrabutylphosphonium ions as a new swelling/delamination agent for layered compounds. <i>Chemical Communications</i> , 2014, 50, 9977.	4.1	19
124	Molecular-Scale Heteroassembly of Redoxable Hydroxide Nanosheets and Conductive Graphene into Superlattice Composites for High-Performance Supercapacitors. <i>Advanced Materials</i> , 2014, 26, 4173-4178.	21.0	161
125	Bulk Functional Materials Design Using Oxide Nanosheets as Building Blocks: A New Upconversion Material Fabricated by Flocculation of Ca ₂ Nb ₃ O ₁₀ Nanosheets with Rare-Earth Ions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1729-1738.	3.1	19
126	Layered zinc hydroxide nanocones: synthesis, facile morphological and structural modification, and properties. <i>Nanoscale</i> , 2014, 6, 13870-13875.	5.6	28

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127	Lateral Solid-Phase Epitaxy of Oxide Thin Films on Glass Substrate Seeded with Oxide Nanosheets. ACS Nano, 2014, 8, 6145-6150.	14.6	24
128	High Thermal Robustness of Molecularly Thin Perovskite Nanosheets and Implications for Superior Dielectric Properties. ACS Nano, 2014, 8, 5449-5461.	14.6	49
129	Fabrication and Properties of Microcapacitors with a One-nanometer-thick Single Ti _{0.87} O ₂ Nanosheet. Chemistry Letters, 2014, 43, 307-309.	1.3	2
130	Nanosheet Coating Process. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2014, 83, 95-99.	0.1	0
131	Osmotic Swelling of Layered Compounds as a Route to Producing High-Quality Two-Dimensional Materials. A Comparative Study of Tetramethylammonium versus Tetrabutylammonium Cation in a Lepidocrocite-type Titanate. Chemistry of Materials, 2013, 25, 3137-3146.	6.7	111
132	Realization of graphene field-effect transistor with high- κ HCa ₂ Nb ₃ O ₁₀ nanoflake as top-gate dielectric. Applied Physics Letters, 2013, 103, .	3.3	12
133	Soft-Chemical Exfoliation of RbSrNb ₂ O ₆ F into Homogeneously Unilamellar Oxyfluoride Nanosheets. Inorganic Chemistry, 2013, 52, 415-422.	4.0	13
134	New Family of Lanthanide-Based Inorganic-Organic Hybrid Frameworks: Ln ₂ (OH) ₄ [O ₃ S(CH ₂) _n SO ₃ H] ₂ (Ln = La, Ce, Pr, Nd, Sm; <i>n</i> = 3, 4) and Their Derivatives. Inorganic Chemistry, 2013, 52, 1755-1761.	4.0	24
135	Gigantic plasmon resonance effects on magneto-optical activity of molecularly thin ferromagnets near gold surfaces. Journal of Materials Chemistry C, 2013, 1, 2520.	5.5	9
136	Photolatently modulable hydrogels using unilamellar titania nanosheets as photocatalytic crosslinkers. Nature Communications, 2013, 4, 2029.	12.8	85
137	Oriented Film Growth of Ba _{1-x} Sr _x TiO ₃ Dielectrics on Glass Substrates Using 2D Nanosheet Seed Layer. ACS Applied Materials & Interfaces, 2013, 5, 4592-4596.	8.0	7
138	Fabrication of Ruthenium Metal Nanosheets via Topotactic Metallization of Exfoliated Ruthenate Nanosheets. Inorganic Chemistry, 2013, 52, 2280-2282.	4.0	43
139	Atomic structure of titania nanosheet with vacancies. Scientific Reports, 2013, 3, 2801.	3.3	53
140	Unusually stable ~100-fold reversible and instantaneous swelling of inorganic layered materials. Nature Communications, 2013, 4, 1632.	12.8	119
141	Synthesis of LDH Nanosheets and their Layer-by-Layer Assembly. Recent Patents on Nanotechnology, 2012, 6, 159-168.	1.3	16
142	(Invited) New Dielectric Nanomaterials Fabricated from Nanosheet Technique. ECS Transactions, 2012, 45, 3-8.	0.5	5
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