Rika Matsumoto

List of Publications by Year
in descending order

23 papers	260 citations	1040056 9 h-index	940533 16 g-index
23 all docs	23 docs citations	23 times ranked	278 citing authors

#	Article	IF	Citations
1	Thermal decomposition and gas release properties of metal chloride-graphite intercalation compounds prepared utilizing polyimide film-derived graphite sheets. Synthetic Metals, 2019, 255, 116103.	3.9	0
2	Structure and stability of n- and p-type intercalated multilayer graphene using Cs-C2H4, FeCl3 and MoCl5. Materials Today Communications, 2019, 20, 100532.	1.9	0
3	High structural stability in air of exfoliated multilayer graphene co-intercalated with cesium and ethylene. Synthetic Metals, 2018, 246, 1-6.	3.9	1
4	Intercalation doping of narrow multilayer graphene interconnects with sub-100 nm widths. Japanese Journal of Applied Physics, 2017, 56, 07KD01.	1.5	9
5	Highly Conductive and Transparent Largeâ€Area Bilayer Graphene Realized by MoCl₅ Intercalation. Advanced Materials, 2017, 29, 1702141.	21.0	50
6	MoCl₅intercalation doping and oxygen passivation of submicrometer-sized multilayer graphene. Japanese Journal of Applied Physics, 2017, 56, 04CP02.	1.5	16
7	Highly electrically conductive and air-stable metal chloride ternary graphite intercalation compounds with AlCl3-FeCl3 and AlCl3-CuCl2 prepared from flexible graphite sheets. Synthetic Metals, 2016, 222, 351-355.	3.9	13
8	Electrical conductivity and air stability of FeCl3, CuCl2, MoCl5, and SbCl5 graphite intercalation compounds prepared from flexible graphite sheets. Synthetic Metals, 2016, 212, 62-68.	3.9	35
9	Thermoelectric Properties and Performance of n-Type and p-Type Graphite Intercalation Compounds. Journal of Electronic Materials, 2015, 44, 399-406.	2.2	16
10	Prospects for thermoelectric power generation based on carbon materials. Tanso, 2015, 2015, 264-272.	0.1	0
11	Investigation of the high, stable electrical conductivity in graphite intercalation compounds prepared from flexible graphite sheets. Synthetic Metals, 2014, 198, 107-112.	3.9	9
12	Preparation of air-stable and highly conductive potassium-intercalated graphite sheet. Journal of Physics and Chemistry of Solids, 2013, 74, 1482-1486.	4.0	9
13	Galvanomagnetic properties of air-stable and highly conductive potassium-intercalated graphite sheet. Journal of Physics and Chemistry of Solids, 2013, 74, 1875-1878.	4.0	3
14	Alkali-metal-graphite intercalation compounds prepared from flexible graphite sheets exhibiting high air stability and electrical conductivity. Synthetic Metals, 2012, 162, 2149-2154.	3.9	23
15	Basics and Recent Topics on Graphite Intercalation Compounds. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2011, 58, 167-175.	0.2	1
16	Thermal decomposition of cesium-ethylene-ternary graphite intercalation compounds. Thermochimica Acta, 2010, 507-508, 142-145.	2.7	6
17	Thermoelectric Properties and Electrical Transport of Graphite Intercalation Compounds. Materials Transactions, 2009, 50, 1607-1611.	1.2	22
18	A density functional theory study of the alkali metal graphite intercalation compounds using model complexes. Tanso, 2008, 2008, 124-130.	0.1	1

#	Article	IF	Citations
19	A technical guideline for preparing alkali metal-graphite intercalation compounds. Tanso, 2007, 2007, 373-378.	0.1	4
20	Thermoelectric Properties of Cesium–Graphite Intercalation Compounds. Materials Transactions, 2006, 47, 1458-1463.	1.2	20
21	Released gas analyses from ternary graphite intercalation compounds at high temperatures. Thermochimica Acta, 2005, 431, 53-57.	2.7	11
22	Estimation of Carrier Concentrations and Mobilities of Graphite Intercalation Compounds by Newton's Method. Tanso, 2003, 2003, 174-178.	0.1	2
23	Characterization of Unsaturated Organic Moleculeâ€"Alkali Metalâ€"Ternary Graphite Intercalation Compounds. Molecular Crystals and Liquid Crystals, 2000, 340, 43-48.	0.3	9