

# Riichiro Ohta

## List of Publications by Year in descending order

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26  
papers

940  
citations

1307594

7  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-Repellent Films Comprising Octamethylsilsesquioxane Selected Based on Three-Dimensional Solubility Parameters. <i>Langmuir</i> , 2020, 36, 2247-2254.	3.5	1
2	Generation of dielectric barrier discharge using carbon nanotube sheets as an electrode under high-density fluids including high pressure gases, supercritical fluids, and liquids. <i>Plasma Sources Science and Technology</i> , 2019, 28, 075014.	3.1	2
3	Prediction of Molecular Affinity on Solid Surfaces via Three-Dimensional Solubility Parameters Using Interfacial Free Energy as Interaction Threshold. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13246-13252.	3.1	4
4	Behavior of stress generated in semiconductor chips with high-temperature joints: Influence of mechanical properties of joint materials. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	7
5	Plasma states and carbon film deposition in glow discharge connected to dielectric barrier discharge. <i>Vacuum</i> , 2018, 157, 155-158.	3.5	3
6	Electrodeposition of strontium apatite nanorod arrays and their cell compatibility. <i>Ceramics International</i> , 2017, 43, 9047-9052.	4.8	5
7	Nontoxic organic solvents identified using an <i>a priori</i> approach with Hansen solubility parameters. <i>Chemical Communications</i> , 2017, 53, 4096-4099.	4.1	15
8	Efficient Catalytic Electrode for CO <sub>2</sub> Reduction Realized by Physisorbing Ni(cyclam) Molecules with Hydrophobicity Based on Hansen's Theory. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24315-24318.	8.0	7
9	Optically Tunable Amino-Functionalized Graphene Quantum Dots. <i>Advanced Materials</i> , 2012, 24, 5333-5338.	21.0	756
10	Alignment-retainable nitrogenation of cylindrical carbon nanotubes by thermal reaction with ammonia following UV oxidation: chemical alteration effects on electrical conductivity. <i>Chemical Communications</i> , 2011, 47, 3873.	4.1	1
11	Anti-agglomerating effect in vertically aligned carbon nanotubes derived by antisolvent precipitation of naphthalene. <i>Chemical Communications</i> , 2010, 46, 5259.	4.1	6
12	Enhanced field emission properties from carbon nanotube emitters grown on NiCr alloy surfaces with grain boundary effect. , 2008, , .		0
13	Length dependent behavior of a carbon nanotube interacting at liquid-air interface. <i>Applied Physics Letters</i> , 2008, 93, 023129.	3.3	6
14	Depth profiles of the Fermi level at an amorphous-carbon nitride/SiO <sub>2</sub> /n-type-Si heterojunction interface obtained by Kelvin probe force microscopy. <i>Diamond and Related Materials</i> , 2006, 15, 1378-1382.	3.9	2
15	Visualization of human plasma fibrinogen adsorbed on highly oriented pyrolytic graphite by scanning probe microscopy. <i>Surface Science</i> , 2006, 600, 1674-1678.	1.9	26
16	Synthesis of nitrogen-rich carbon nitride thin films via magnetic field-assisted inductively coupled plasma sputtering. <i>Vacuum</i> , 2006, 80, 752-755.	3.5	2
17	Amorphous carbon and carbon nitride multilayered films prepared by shielded arc ion plating. <i>Thin Solid Films</i> , 2005, 475, 308-312.	1.8	15
18	Fabrication of Metal Micropattern on Self-Assembled Monolayer by Site-Selective Electroless Plating and Pattern Transfer onto Polymer Sheet. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2005, 56, 113-117.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Organosilane self-assembled monolayers directly linked to the diamond surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 2005-2009.	2.1	25
20	Exploration of the chemical bonding forms of alkoxy-type organic monolayers directly attached to silicon. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 1425-1427.	2.1	6
21	Contribution of Primary Chemical Bonding States of Amorphous Carbon Nitride to Hardness. Electrochemical and Solid-State Letters, 2004, 7, C84.	2.2	1
22	UV Raman spectroscopic probing into nitrogen-doped hydrogenated amorphous carbon. Thin Solid Films, 2004, 457, 128-132.	1.8	7
23	Origin of N 1s spectrum in amorphous carbon nitride obtained by X-ray photoelectron spectroscopy. Thin Solid Films, 2003, 434, 296-302.	1.8	37
24	Chemical Bonding States Analysis of Amorphous Carbon Nitride Films Supported by Ab-Initio Molecular Orbital Methods -Interpretation of X-ray Photoelectron Spectra-. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2003, 54, 769-775.	0.2	6
25	ç²åCE-ç,çãåCE-å-  çµåçŞæ...ãç%¹æ€\$. Journal of the Japan Society for Precision Engineering, 2002, 68, 1526-1529.		0
26	Pitchâ€black surface stemming from selfâ€standing ZnFe <sub>2</sub> O <sub>4</sub> nanowalls. Nano Select, 0, , .	3.7	0