Toshitaka Kubo

List of Publications by Year
in descending order

40	1,318	623734 14	377865 34
papers	citations	h-index	g-index

40	40	40	1810
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hexylthiophene-Functionalized Carbazole Dyes for Efficient Molecular Photovoltaics: Tuning of Solar-Cell Performance by Structural Modification. Chemistry of Materials, 2008, 20, 3993-4003.	6.7	609
2	Surface structure of SrTiO3(100). Surface Science, 2003, 542, 177-191.	1.9	138
3	Surface Structure ofSrTiO3(100)â^’(5Ã—5)â^’R26.6Â°. Physical Review Letters, 2001, 86, 1801-1804.	7.8	114
4	Surface Structures of Rutile TiO2(011). Journal of the American Chemical Society, 2007, 129, 10474-10478.	13.7	71
5	Chemisorbed states of atomic oxygen and its replacement by atomic hydrogen on the diamond (100)-(2Ã—1) surface. Surface Science, 1999, 436, 63-71.	1.9	50
6	Gas-Source CVD Growth of Atomic Layered WS2 from WF6 and H2S Precursors with High Grain Size Uniformity. Scientific Reports, 2019, 9, 17678.	3.3	36
7	Surface Phonons, Electronic Structure and Chemical Reactivity of Diamond (100)(2 Ã—1) Surface. Japanese Journal of Applied Physics, 1999, 38, 6659-6666.	1.5	25
8	Microfaceting Explains Complicated Structures on Rutile TiO2Surfaces. Journal of the American Chemical Society, 2006, 128, 4074-4078.	13.7	24
9	Adsorption and decomposition of NO on Pt (112). Applied Surface Science, 2001, 169-170, 292-295.	6.1	22
10	First-principles molecular dynamics study of CO adsorption on the Si(001) surface. Chemical Physics Letters, 1998, 287, 131-136.	2.6	21
11	DFT Calculations of Adsorption and Decomposition of N₂O on Rh(100). Journal of Physical Chemistry C, 2010, 114, 21444-21449.	3.1	21
12	Atomic structures of the defective SrTiO3 (001) surface. Physical Chemistry Chemical Physics, 2011, 13, 16516.	2.8	16
13	Adsorption and Thermal Decomposition of Formic Acid on the Si(100)(2Ã—1)â^’K Surface. Journal of Physical Chemistry B, 1997, 101, 7007-7011.	2.6	14
14	Characterization of Effective Mobility and Its Degradation Mechanism in MoS2MOSFETs. IEEE Nanotechnology Magazine, 2016, 15, 651-656.	2.0	14
15	Investigation on the Surface Electronic States of the Si(001) c(4Ã—2) and c(8Ã—8) Surfaces: An Electron Energy Loss Spectroscopy Study. Japanese Journal of Applied Physics, 1997, 36, L975-L978.	1.5	13
16	Adsorption and thermal decomposition of N2O on Si(100): electron energy loss spectroscopy and thermal desorption studies. Surface Science, 1997, 382, 214-220.	1.9	13
17	Adsorbed states of K on the diamond (100)(2Ã—1) surface. Diamond and Related Materials, 2000, 9, 162-169.	3.9	11
18	A New Method to Fabricate Single-Molecule Nanoarrays Using Dendrimer-Based Templates. Advanced Materials, 2003, 15, 1534-1538.	21.0	11

#	Article	IF	Citations
19	Structure of mercaptoalcohol self-assembled monolayers on Au(111). Applied Surface Science, 2005, 244, 578-583.	6.1	10
20	Micrometer-scale WS₂ atomic layers grown by alkali metal free gas-source chemical vapor deposition with H₂S and WF₆ precursors. Japanese Journal of Applied Physics, 2021, 60, SBBH09.	1.5	10
21	Quantifying the spreading resistance of an anisotropic thin film conductor. Scientific Reports, 2020, 10, 10633.	3.3	9
22	Enhanced Excitonâ€"Exciton Collisions in an Ultraflat Monolayer MoSe₂ Prepared through Deterministic Flattening. ACS Nano, 2021, 15, 1370-1377.	14.6	9
23	Microscopic properties of the SrTiO3(100) surface. Applied Physics A: Materials Science and Processing, 2001, 72, S277-S280.	2.3	8
24	Adsorbed states of CO on the Si(100)-K surface: electron energy-loss spectroscopy and thermal desorption studies. Surface Science, 1998, 395, L246-L251.	1.9	7
25	N2 emission-channel change in NO reduction over stepped Pd(211) by angle-resolved desorption. Surface Science, 2012, 606, 1029-1036.	1.9	6
26	Physical properties of spinel nano-structure epitaxially grown on MgO(100). Applied Surface Science, 2002, 188, 545-549.	6.1	5
27	Microscopic Mechanism of Van der Waals Heteroepitaxy in the Formation of MoS2/hBN Vertical Heterostructures. ACS Omega, 2020, 5, 31692-31699.	3.5	5
28	Fabrication of layer-by-layer graphene oxide thin film on copper substrate by electrophoretic deposition. Japanese Journal of Applied Physics, 2020, 59, 125001.	1.5	5
29	Growth of MoS₂â€"Nb-doped MoS₂ lateral homojunctions: A monolayer <i>p</i>â€"<i>n</i> diode by substitutional doping. APL Materials, 2021, 9, 121115.	5.1	5
30	Atomic-hydrogen-induced restructuring of the Si(100)(2 Ã— 1)-K surface. Surface Science, 1995, 337, L783-L788.	1.9	3
31	Self-organized Fabrication of Ordered Nanostructures of Variable Periodicity on Nonstoichiometric Metal Oxide Materials. Nano Letters, 2002, 2, 1173-1175.	9.1	3
32	Laser induced fluorescence monitoring of the etching processes with the inward plasma. Vacuum, 2015, 121, 300-304.	3.5	3
33	The investigation of graphene film as a new electrical contact material. , 2016, , .		3
34	Evaluation of oxidation suppression of multilayer graphene synthesized using fluorene as a solid source. AIP Advances, 2021, 11, .	1.3	2
35	Surface structures of rutile TiO2(114). Japanese Journal of Applied Physics, 2016, 55, 115505.	1.5	1
36	Theoretical study of spreading resistance using anisotropic conductivity parameters for graphene: a comparative study against conventional isotropic conductors. Japanese Journal of Applied Physics, 2021, 60, 015503.	1.5	1

#	Article	IF	Citations
37	Characterization of effective mobility by split C-V technique in MoS2 MOSFETs with high-k/metal gate. , 2015, , .		0
38	Electronics of Compound Materials Nanosheets. Hyomen Kagaku, 2016, 37, 527-534.	0.0	0
39	Development of Simple Fabrication Method of SiO₂ Diaphragm Using Inward Plasma Etching. Journal of the Vacuum Society of Japan, 2017, 60, 148-152.	0.3	0
40	STM and DFT Studies of the Rutile TiO2(114) Surface. Hyomen Kagaku, 2009, 30, 397-402.	0.0	0