

Gilles Renaud

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,957
citations

471509

17
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

2831
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray reflectivity from curved surfaces as illustrated by a graphene layer on molten copper. Journal of Synchrotron Radiation, 2022, 29, 711-720.	2.4	8
2	Real-Time Multiscale Monitoring and Tailoring of Graphene Growth on Liquid Copper. ACS Nano, 2021, 15, 9638-9648.	14.6	28
3	Synthesis of epitaxial monolayer Janus SPtSe. Npj 2D Materials and Applications, 2020, 4, .	7.9	55
4	Decoupling Molybdenum Disulfide from Its Substrate by Cesium Intercalation. Journal of Physical Chemistry C, 2020, 124, 12397-12408.	3.1	9
5	Al-rich $\text{Fe}_{0.85}\text{Pt}_{0.15}$ surface. Physical Review Materials, 2020, 4, .	6.1	4
6	Oxide at the Al-rich $\text{Fe}_{0.85}\text{Pt}_{0.15}$ surface. Physical Review Materials, 2020, 4, .	2.4	4
7	Room Temperature Commensurate Charge Density Wave in Epitaxial Strained TiTe_2 Multilayer Films. Advanced Materials Interfaces, 2019, 6, 1801850.	3.7	34
8	Elaboration of Nanomagnet Arrays: Organization and Magnetic Properties of Mass-Selected FePt Nanoparticles Deposited on Epitaxially Grown Graphene on Ir(111). Physical Review Letters, 2019, 122, 106802.	7.8	10
9	Massless Dirac Fermions in ZrTe_2 Semimetal Grown on InAs(111) by van der Waals Epitaxy. ACS Nano, 2018, 12, 1696-1703.	14.6	82
10	Direct Observation at Room Temperature of the Orthorhombic Weyl Semimetal Phase in Thin Epitaxial MoTe_2 . Advanced Functional Materials, 2018, 28, 1802084.	14.9	31
11	Topography of the graphene/Ir(111) moiré studied by surface x-ray diffraction. Physical Review B, 2015, 91, .	3.2	21
12	Moiré induced organization of size-selected Pt clusters soft landed on epitaxial graphene. Scientific Reports, 2015, 5, 13053.	3.3	16
13	Integration techniques for surface X-ray diffraction data obtained with a two-dimensional detector. Journal of Applied Crystallography, 2014, 47, 365-377.	4.5	38
14	Nanostructures Observed by Surface Sensitive X-Ray Scattering and Highly Focused Beams. , 2013, , 113-173.		2
15	Propriétés structurales de surfaces, interfaces et nanostructures, étudiées à l'aide des rayons X. , 2013, , 65-69.	0.1	0
16	Local deformations and incommensurability of high-quality epitaxial graphene on a weakly interacting transition metal. Physical Review B, 2012, 86, .	3.2	20
17	Growth and dewetting of gold on Si(111) investigated in situ by grazing incidence small angle x-ray scattering. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1905-1909.	2.7	10
18	CO-Induced Scavenging of Supported Pt Nanoclusters: A GISAXS Study. Journal of Physical Chemistry C, 2012, 116, 23362-23370.	3.1	21

#	ARTICLE	IF	CITATIONS
19	Probing surface and interface morphology with Grazing Incidence Small Angle X-Ray Scattering. Surface Science Reports, 2009, 64, 255-380.	7.2	686
20	Growth of Co on Au(111) studied by multiwavelength anomalous grazing-incidence small-angle x-ray scattering: From ordered nanostructures to percolated thin films and nanopillars. Physical Review B, 2008, 77, .	3.2	23
21	Nanostructures in the light of synchrotron radiation: surface-sensitive X-ray techniques and anomalous scattering. , 2008, , 331-369.		4
22	Kink ordering and organized growth of Co clusters on a stepped Au(111) surface: A combined grazing-incidence x-ray scattering and STM study. Physical Review B, 2008, 77, .	3.2	17
23	Grazing-incidence small-angle x-ray scattering from dense packing of islands on surfaces: Development of distorted wave Born approximation and correlation between particle sizes and spacing. Physical Review B, 2007, 76, .	3.2	73
24	Self-similarity during growth of the AuTi_2O_2 catalyst as seen by the scattering of x-rays at grazing-angle incidence. Physical Review B, 2007, 76, .	3.2	52
25	X-ray scattering from stepped and kinked surfaces: An approach with the paracrystal model. Surface Science, 2007, 601, 1915-1929.	1.9	10
26	Flat-top silver nanocrystals on the two polar faces of ZnO: An all angle x-ray scattering investigation. Physical Review B, 2005, 72, .	3.2	34
27	Effects of near-neighbor correlations on the diffuse scattering from a one-dimensional paracrystal. Acta Crystallographica Section A: Foundations and Advances, 2004, 60, 565-581.	0.3	25
28	Real-Time Monitoring of Growing Nanoparticles. Science, 2003, 300, 1416-1419.	12.6	347
29	Structure determination of the $\hat{1}\pm$ -Al ₂ O ₃ (0001). Surface Science, 2002, 505, L215-L221.	1.9	16
30	Oxide surfaces and metal/oxide interfaces studied by grazing incidence X-ray scattering. Surface Science Reports, 1998, 32, 5-90.	7.2	277