

# 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	Probing surface and interface morphology with Grazing Incidence Small Angle X-Ray Scattering. Surface Science Reports, 2009, 64, 255-380.	7.2	686
2	Real-Time Monitoring of Growing Nanoparticles. Science, 2003, 300, 1416-1419.	12.6	347
3	Oxide surfaces and metal/oxide interfaces studied by grazing incidence X-ray scattering. Surface Science Reports, 1998, 32, 5-90.	7.2	277
4	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
5	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
6	Synthesis of epitaxial monolayer Janus $SPTe$ . Npj 2D Materials and Applications, 2020, 4, .	7.9	55
7	Self-similarity during growth of the $Au_{1-x}Ti_xO$ catalyst as seen by the scattering of x-rays at grazing-angle incidence. Physical Review B, 2007, 76, .	3.2	52
8	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
9	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
10	Room Temperature Commensurate Charge Density Wave in Epitaxial Strained $TiTe_2$ Multilayer Films. Advanced Materials Interfaces, 2019, 6, 1801850.	3.7	34
11	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
12	Real-Time Multiscale Monitoring and Tailoring of Graphene Growth on Liquid Copper. ACS Nano, 2021, 15, 9638-9648.	14.6	28
13	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
14	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
15	CO-Induced Scavenging of Supported Pt Nanoclusters: A GISAXS Study. Journal of Physical Chemistry C, 2012, 116, 23362-23370.	3.1	21
16	Topography of the graphene/Ir(111) moiré studied by surface x-ray diffraction. Physical Review B, 2015, 91, .	3.2	21
17	Local deformations and incommensurability of high-quality epitaxial graphene on a weakly interacting transition metal. Physical Review B, 2012, 86, .	3.2	20
18	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

#	ARTICLE	IF	CITATIONS
19	Structure determination of the $\sqrt{3}\times\sqrt{3}$ reconstructed $\text{Al}_2\text{O}_3(0001)$ . Surface Science, 2002, 505, L215-L221.	1.9	16
20	Moiré induced organization of size-selected Pt clusters soft landed on epitaxial graphene. Scientific Reports, 2015, 5, 13053.	3.3	16
21	X-ray scattering from stepped and kinked surfaces: An approach with the paracrystal model. Surface Science, 2007, 601, 1915-1929.	1.9	10
22	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
23	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
24	Decoupling Molybdenum Disulfide from Its Substrate by Cesium Intercalation. Journal of Physical Chemistry C, 2020, 124, 12397-12408.	3.1	9
25	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
26	Nanostructures in the light of synchrotron radiation: surface-sensitive X-ray techniques and anomalous scattering. , 2008, , 331-369.		4
27	Al-rich $\sqrt{3}\times\sqrt{3}$ reconstructed $\text{Fe}/\text{Al}$ surface. Physical Review Materials, 2020, 4, .	6.1	4
28	Oxide at the Al-rich $\sqrt{3}\times\sqrt{3}$ reconstructed $\text{Fe}/\text{Al}$ surface. Physical Review Materials, 2020, 4, .	2.4	4
29	Nanostructures Observed by Surface Sensitive X-Ray Scattering and Highly Focused Beams. , 2013, , 113-173.		2
30	Propriétés structurales de surfaces, interfaces et nanostructures, Étude des aides des rayons X. , 2013, , 65-69.	0.1	0