Sylvain Clair

List of Publications by Year
in descending order

55	2,598	304743	182427
papers	citations	22 h-index	51 g-index

58	58	58	3452
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlling a Chemical Coupling Reaction on a Surface: Tools and Strategies for On-Surface Synthesis. Chemical Reviews, 2019, 119, 4717-4776.	47.7	433
2	Single Layer of Polymeric Fe-Phthalocyanine: An Organometallic Sheet on Metal and Thin Insulating Film. Journal of the American Chemical Society, 2011, 133, 1203-1205.	13.7	364
3	Supramolecular control of the magnetic anisotropy inÂtwo-dimensional high-spin Fe arrays at a metalÂinterface. Nature Materials, 2009, 8, 189-193.	27.5	262
4	Improving Biocompatibility of Implantable Metals by Nanoscale Modification of Surfaces: An Overview of Strategies, Fabrication Methods, and Challenges. Small, 2009, 5, 996-1006.	10.0	182
5	STM Study of Terephthalic Acid Self-Assembly on Au(111):Â Hydrogen-Bonded Sheets on an Inhomogeneous Substrateâ€. Journal of Physical Chemistry B, 2004, 108, 14585-14590.	2.6	173
6	Sequential Linking To Control Growth of a Surface Covalent Organic Framework. Journal of Physical Chemistry C, 2012, 116, 4819-4823.	3.1	88
7	Substrate-mediated ordering and defect analysis of a surface covalent organic framework. Physical Review B, 2011, 84, .	3.2	81
8	Mesoscopic Metallosupramolecular Texturing by Hierarchic Assembly. Angewandte Chemie - International Edition, 2005, 44, 7294-7297.	13.8	75
9	Monitoring Two-Dimensional Coordination Reactions:Â Directed Assembly of Coâ“Terephthalate Nanosystems on Au(111). Journal of Physical Chemistry B, 2006, 110, 5627-5632.	2.6	74
10	Coexistence of one- and two-dimensional supramolecular assemblies of terephthalic acid on Pd(111) due to self-limiting deprotonation. Journal of Chemical Physics, 2006, 125, 184710.	3.0	66
11	Growth of boronic acid based two-dimensional covalent networks on a metal surface under ultrahigh vacuum. Chemical Communications, 2014, 50, 9627-9635.	4.1	64
12	Tip- or electron beam-induced surface polymerization. Chemical Communications, 2011, 47, 8028.	4.1	51
13	Self-Assembled Melamine Monolayer on Cu(111). Journal of Physical Chemistry C, 2013, 117, 9895-9902.	3.1	51
14	Conformational Adaptation in Supramolecular Assembly on Surfaces. ChemPhysChem, 2007, 8, 1782-1786.	2.1	41
15	Magnetic Coupling and Single-Ion Anisotropy in Surface-Supported Mn-Based Metalâ€“Organic Networks. Journal of Physical Chemistry C, 2014, 118, 11738-11744.	3.1	36
16	Does the Surface Matter? Hydrogenâ€Bonded Chain Formation of an Oxalic Amide Derivative in a Twoâ€• and Threeâ€Dimensional Environment. ChemPhysChem, 2008, 9, 2522-2530.	2.1	32
17	Side functionalization of diboronic acid precursors for covalent organic frameworks. CrystEngComm, 2013, 15, 2067.	2.6	31
18	Robust Supramolecular Network on Ag(111): Hydrogenâ€Bond Enhancement through Partial Alcohol Dehydrogenation. ChemPhysChem, 2009, 10, 1032-1035.	2.1	30

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19	Interpretation of valence band photoemission spectra at organic-metal interfaces. Physical Review B, 2013, 87, .	3.2	30
20	Self-assembled monolayer of alkanephosphoric acid on nanotextured Ti. Journal of Chemical Physics, 2008, 128, 144705.	3.0	29
21	Steric and electronic selectivity in the synthesis of Fe-1,2,4,5-tetracyanobenzene (TCNB) complexes on Au(111): From topological confinement to bond formation. Nano Research, 2014, 7, 888-897.	10.4	24
22	On-surface synthesis of aligned functional nanoribbons monitored by scanning tunnelling microscopy and vibrational spectroscopy. Nature Communications, 2017, 8, 14735.	12.8	24
23	Triangular Regulation of Cucurbit[8]uril 1:1 Complexes. Journal of the American Chemical Society, 2019, 141, 5897-5907.	13.7	23
24	Substrate-induced array of quantum dots in a single-walled carbon nanotube. Nature Nanotechnology, 2009, 4, 567-570.	31.5	22
25	Mesoscopic Arrays from Supramolecular Selfâ€Assembly. Angewandte Chemie - International Edition, 2010, 49, 8237-8239.	13.8	21
26	On-Surface Reaction between Tetracarbonitrile-Functionalized Molecules and Copper Atoms. Journal of Physical Chemistry C, 2014, 118, 27549-27553.	3.1	21
27	Microwave-Mediated Synthesis of Bulky Lanthanide Porphyrinâ€“Phthalocyanine Triple-Deckers: Electrochemical and Magnetic Properties. Inorganic Chemistry, 2017, 56, 4864-4873.	4.0	20
28	Combined Photoemission Spectroscopy and Scanning Tunneling Microscopy Study of the Sequential Dehydrogenation of Hexahydroxytriphenylene on Ag(111). Journal of Physical Chemistry C, 2014, 118, 14899-14904.	3.1	19
29	Twoâ€Ðimensional Polymer as a Mask for Surface Nanopatterning. Advanced Materials, 2012, 24, 1252-1254.	21.0	17
30	Covalent organic frameworks from a monomer with reduced symmetry: polymorphism and SierpiÅ„ski triangles. Chemical Communications, 2019, 55, 13586-13589.	4.1	17
31	Grafting a homogeneous transition metal catalyst onto a silicon AFM probe: a promising strategy for chemically constructive nanolithography. Chemical Science, 2013, 4, 2815.	7.4	15
32	The Orientation of Silver Surfaces Drives the Reactivity and the Selectivity in Homoâ€Coupling Reactions. ChemPhysChem, 2018, 19, 1802-1808.	2.1	15
33	Ligand Influence on Local Magnetic Moments in Fe-Based Metalâ€“Organic Networks. Journal of Physical Chemistry C, 2017, 121, 4253-4260.	3.1	12
34	Electronic structure of tetra(4-aminophenyl)porphyrin studied by photoemission, UVâ€“Vis spectroscopy and density functional theory. Journal of Electron Spectroscopy and Related Phenomena, 2017, 218, 40-45.	1.7	12
35	Role of the Structure and Reactivity of Cu and Ag Surfaces in the Formation of a 2D Metalâ€“Hexahydroxytriphenylene Network. Journal of Physical Chemistry C, 2021, 125, 17333-17341.	3.1	12
36	Adsorption mechanism of aligned single wall carbon nanotubes at well defined metal surfaces. Journal of Vacuum Science & Technology B, 2007, 25, 1143-1146.	1.3	11

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37	Electronic structure of single-walled carbon nanotubes on ultrathin insulating films. Applied Physics Letters, 2008, 93, .	3.3	11
38	Energy level alignment of single-wall carbon nanotubes on metal surfaces. Physical Review B, 2011, 83, .	3.2	11
39	Scanning Tunneling Microscopy Observations of Benzoic Acid Molecules Coadsorbed with Single-Walled Carbon Nanotubes on Au(111) surface. Japanese Journal of Applied Physics, 2007, 46, 5572.	1.5	10
40	Coverage-Dependent Formation of Chiral Ethylthiolate-Au Complexes on Au(111). Langmuir, 2011, 27, 627-629.	3.5	10
41	A surface enhanced Raman spectroscopy study of aminothiophenol and aminothiophenol-C60 self-assembled monolayers: Evolution of Raman modes with experimental parameters. Journal of Chemical Physics, 2012, 136, 194704.	3.0	10
42	Electron energy-loss spectroscopy fine structure of the Cu L2,3ionization edge in substitutional Cu-Ni alloys. Journal of Physics Condensed Matter, 2001, 13, 3791-3803.	1.8	9
43	Self-organised growth of molecular arrays at surfaces. International Journal of Nanotechnology, 2012, 9, 325.	0.2	6
44	Catalytic Scanning Probe Nanolithography (cSPL): Control of the AFM Parameters in Order to Achieve Sub-100-nm Spatially Resolved Epoxidation of Alkenes Grafted onto a Surface. Langmuir, 2016, 32, 4034-4042.	3.5	6
45	Molecular adaptation in supramolecular self-assembly: brickwall-type phases of indacene-tetrone on silver surfaces. Chemical Communications, 2018, 54, 8510-8513.	4.1	6
46	Onâ€Surface Synthesis of Unsaturated Hydrocarbon Chains through Câ^'S Activation. Chemistry - A European Journal, 2022, 28, .	3.3	6
47	Forming Weakly Interacting Multilayers of Graphene Using Atomic Force Microscope Tip Scanning and Evidence of Competition between Inner and Outer Raman Scattering Processes Piloted by Structural Defects. Journal of Physical Chemistry Letters, 2019, 10, 3571-3579.	4.6	4
48	Self-Accommodating Honeycomb Networks from Supramolecular Self-Assembly of s-Indacene-tetrone on Silver Surfaces. Langmuir, 2022, 38, 1067-1071.	3.5	4
49	Edge-On Self-Assembly of Tetra-bromoanthracenyl-porphyrin on Silver Surfaces. Journal of Physical Chemistry C, 2020, 124, 22137-22142.	3.1	3
50	Step-edge faceting and local metallization of a single-wall semiconducting carbon nanotube. Journal of Applied Physics, 2011, 110, 073710.	2.5	2
51	Electronic modulations in a single wall carbon nanotube induced by the Au(111) surface reconstruction. Applied Physics Letters, 2015, 106, .	3.3	2
52	Spatially resolved acyl transfer on surface by organo-catalytic scanning probe nanolithography (o-cSPL). Chemical Science, 2018, 9, 4280-4284.	7.4	2
53	Persistent Homology to Quantify the Quality of Surfaceâ€Supported Covalent Networks. ChemPhysChem, 2019, 20, 2286-2291.	2.1	2
54	Stereoisomeric selection upon adsorption: A structural and optical study of curcuminoid derivatives on ultrathin films of KCl on Au(111) and on bulk KCl(001). Physical Review B, 2021, 104, .	3.2	1

#	Article	IF	Citations
55	Surface-Supported Boronic Acid Condensation. , 2018, , 424-435.		0