

Sylvain Clair

List of Publications by Year in descending order

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55
papers

2,598
citations

304743

22
h-index

182427

51
g-index

58
all docs

58
docs citations

58
times ranked

3452
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Accommodating Honeycomb Networks from Supramolecular Self-Assembly of s-Indacene-tetrone on Silver Surfaces. <i>Langmuir</i> , 2022, 38, 1067-1071.	3.5	4
2	On-Surface Synthesis of Unsaturated Hydrocarbon Chains through C-S Activation. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	6
3	Role of the Structure and Reactivity of Cu and Ag Surfaces in the Formation of a 2D Metal-Hexahydroxytriphenylene Network. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17333-17341.	3.1	12
4	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). <i>Physical Review B</i> , 2021, 104, .	3.2	1
5	Edge-On Self-Assembly of Tetra-bromoanthracenyl-porphyrin on Silver Surfaces. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22137-22142.	3.1	3
6	Persistent Homology to Quantify the Quality of Surface-Supported Covalent Networks. <i>ChemPhysChem</i> , 2019, 20, 2286-2291.	2.1	2
7	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. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3571-3579.	4.6	4
8	Controlling a Chemical Coupling Reaction on a Surface: Tools and Strategies for On-Surface Synthesis. <i>Chemical Reviews</i> , 2019, 119, 4717-4776.	47.7	433
9	Triangular Regulation of Cucurbit[8]uril 1:1 Complexes. <i>Journal of the American Chemical Society</i> , 2019, 141, 5897-5907.	13.7	23
10	Covalent organic frameworks from a monomer with reduced symmetry: polymorphism and Sierpiński triangles. <i>Chemical Communications</i> , 2019, 55, 13586-13589.	4.1	17
11	Spatially resolved acyl transfer on surface by organo-catalytic scanning probe nanolithography (o-cSPL). <i>Chemical Science</i> , 2018, 9, 4280-4284.	7.4	2
12	Surface-Supported Boronic Acid Condensation. , 2018, , 424-435.		0
13	Molecular adaptation in supramolecular self-assembly: brickwall-type phases of indacene-tetrone on silver surfaces. <i>Chemical Communications</i> , 2018, 54, 8510-8513.	4.1	6
14	The Orientation of Silver Surfaces Drives the Reactivity and the Selectivity in Homo-Coupling Reactions. <i>ChemPhysChem</i> , 2018, 19, 1802-1808.	2.1	15
15	Ligand Influence on Local Magnetic Moments in Fe-Based Metal-Organic Networks. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4253-4260.	3.1	12
16	Microwave-Mediated Synthesis of Bulky Lanthanide Porphyrin-Phthalocyanine Triple-Deckers: Electrochemical and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017, 56, 4864-4873.	4.0	20
17	Electronic structure of tetra(4-aminophenyl)porphyrin studied by photoemission, UV-Vis spectroscopy and density functional theory. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017, 218, 40-45.	1.7	12
18	On-surface synthesis of aligned functional nanoribbons monitored by scanning tunnelling microscopy and vibrational spectroscopy. <i>Nature Communications</i> , 2017, 8, 14735.	12.8	24

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19	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. <i>Langmuir</i> , 2016, 32, 4034-4042.	3.5	6
20	Electronic modulations in a single wall carbon nanotube induced by the Au(111) surface reconstruction. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	2
21	On-Surface Reaction between Tetracarbonitrile-Functionalized Molecules and Copper Atoms. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27549-27553.	3.1	21
22	Growth of boronic acid based two-dimensional covalent networks on a metal surface under ultrahigh vacuum. <i>Chemical Communications</i> , 2014, 50, 9627-9635.	4.1	64
23	Combined Photoemission Spectroscopy and Scanning Tunneling Microscopy Study of the Sequential Dehydrogenation of Hexahydroxytriphenylene on Ag(111). <i>Journal of Physical Chemistry C</i> , 2014, 118, 14899-14904.	3.1	19
24	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. <i>Nano Research</i> , 2014, 7, 888-897.	10.4	24
25	Magnetic Coupling and Single-Ion Anisotropy in Surface-Supported Mn-Based Metal-Organic Networks. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11738-11744.	3.1	36
26	Side functionalization of diboronic acid precursors for covalent organic frameworks. <i>CrystEngComm</i> , 2013, 15, 2067.	2.6	31
27	Self-Assembled Melamine Monolayer on Cu(111). <i>Journal of Physical Chemistry C</i> , 2013, 117, 9895-9902.	3.1	51
28	Grafting a homogeneous transition metal catalyst onto a silicon AFM probe: a promising strategy for chemically constructive nanolithography. <i>Chemical Science</i> , 2013, 4, 2815.	7.4	15
29	Interpretation of valence band photoemission spectra at organic-metal interfaces. <i>Physical Review B</i> , 2013, 87, .	3.2	30
30	Self-organised growth of molecular arrays at surfaces. <i>International Journal of Nanotechnology</i> , 2012, 9, 325.	0.2	6
31	Sequential Linking To Control Growth of a Surface Covalent Organic Framework. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4819-4823.	3.1	88
32	A surface enhanced Raman spectroscopy study of aminothiophenol and aminothiophenol-C60 self-assembled monolayers: Evolution of Raman modes with experimental parameters. <i>Journal of Chemical Physics</i> , 2012, 136, 194704.	3.0	10
33	Two-Dimensional Polymer as a Mask for Surface Nanopatterning. <i>Advanced Materials</i> , 2012, 24, 1252-1254.	21.0	17
34	Tip- or electron beam-induced surface polymerization. <i>Chemical Communications</i> , 2011, 47, 8028.	4.1	51
35	Coverage-Dependent Formation of Chiral Ethylthiolate-Au Complexes on Au(111). <i>Langmuir</i> , 2011, 27, 627-629.	3.5	10
36	Single Layer of Polymeric Fe-Phthalocyanine: An Organometallic Sheet on Metal and Thin Insulating Film. <i>Journal of the American Chemical Society</i> , 2011, 133, 1203-1205.	13.7	364

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37	Substrate-mediated ordering and defect analysis of a surface covalent organic framework. <i>Physical Review B</i> , 2011, 84, .	3.2	81
38	Step-edge faceting and local metallization of a single-wall semiconducting carbon nanotube. <i>Journal of Applied Physics</i> , 2011, 110, 073710.	2.5	2
39	Energy level alignment of single-wall carbon nanotubes on metal surfaces. <i>Physical Review B</i> , 2011, 83, .	3.2	11
40	Mesoscopic Arrays from Supramolecular Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8237-8239.	13.8	21
41	Robust Supramolecular Network on Ag(111): Hydrogen-Bond Enhancement through Partial Alcohol Dehydrogenation. <i>ChemPhysChem</i> , 2009, 10, 1032-1035.	2.1	30
42	Improving Biocompatibility of Implantable Metals by Nanoscale Modification of Surfaces: An Overview of Strategies, Fabrication Methods, and Challenges. <i>Small</i> , 2009, 5, 996-1006.	10.0	182
43	Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface. <i>Nature Materials</i> , 2009, 8, 189-193.	27.5	262
44	Substrate-induced array of quantum dots in a single-walled carbon nanotube. <i>Nature Nanotechnology</i> , 2009, 4, 567-570.	31.5	22
45	Does the Surface Matter? Hydrogen-Bonded Chain Formation of an Oxalic Amide Derivative in a Two- and Three-Dimensional Environment. <i>ChemPhysChem</i> , 2008, 9, 2522-2530.	2.1	32
46	Electronic structure of single-walled carbon nanotubes on ultrathin insulating films. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	11
47	Self-assembled monolayer of alkanephosphoric acid on nanotextured Ti. <i>Journal of Chemical Physics</i> , 2008, 128, 144705.	3.0	29
48	Scanning Tunneling Microscopy Observations of Benzoic Acid Molecules Coadsorbed with Single-Walled Carbon Nanotubes on Au(111) surface. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5572.	1.5	10
49	Adsorption mechanism of aligned single wall carbon nanotubes at well defined metal surfaces. <i>Journal of Vacuum Science & Technology B</i> , 2007, 25, 1143-1146.	1.3	11
50	Conformational Adaptation in Supramolecular Assembly on Surfaces. <i>ChemPhysChem</i> , 2007, 8, 1782-1786.	2.1	41
51	Monitoring Two-Dimensional Coordination Reactions: Directed Assembly of Co ²⁺ -Terephthalate Nanosystems on Au(111). <i>Journal of Physical Chemistry B</i> , 2006, 110, 5627-5632.	2.6	74
52	Coexistence of one- and two-dimensional supramolecular assemblies of terephthalic acid on Pd(111) due to self-limiting deprotonation. <i>Journal of Chemical Physics</i> , 2006, 125, 184710.	3.0	66
53	Mesoscopic Metallo-supramolecular Texturing by Hierarchic Assembly. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7294-7297.	13.8	75
54	STM Study of Terephthalic Acid Self-Assembly on Au(111): Hydrogen-Bonded Sheets on an Inhomogeneous Substrate. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14585-14590.	2.6	173

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55	Electron energy-loss spectroscopy fine structure of the Cu L _{2,3} ionization edge in substitutional Cu-Ni alloys. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 3791-3803.	1.8	9