

Sylvie Dabos

List of Publications by Year in descending order

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80
papers

1,845
citations

236833

25
h-index

289141

40
g-index

81
all docs

81
docs citations

81
times ranked

2060
citing authors

#	ARTICLE	IF	CITATIONS
1	A nonvolatile memory element based on an organic field-effect transistor. <i>Applied Physics Letters</i> , 2004, 85, 1823-1825.	1.5	182
2	Optical properties of ZnO and ZnO:Ce layers grown by spray pyrolysis. <i>Optics Communications</i> , 2006, 267, 433-439.	1.0	82
3	Structural and nonlinear optical properties of as-grown and annealed metallophthalocyanine thin films. <i>Thin Solid Films</i> , 2013, 545, 429-437.	0.8	77
4	Pentacene: PTCDI-C13H27 molecular blends efficiently harvest light for solar cell applications. <i>Applied Physics Letters</i> , 2006, 89, 113506.	1.5	69
5	Phthalimide end-capped thienoisindigo and diketopyrrolopyrrole as non-fullerene molecular acceptors for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 250-256.	5.2	69
6	Crystal structure of a neptunyl cation-cation complex (NpO ₂ ⁺) with mellitic acid: Na ₄ (NpO ₂) ₂ Cl ₁₂ O ₁₂ ·8H ₂ O. <i>Journal of the Less Common Metals</i> , 1984, 99, 233-240.	0.9	68
7	Enantiopure versus Racemic Naphthalimide End-Capped Helicenic Non-Fullerene Electron Acceptors: Impact on Organic Photovoltaics Performance. <i>Chemistry - A European Journal</i> , 2017, 23, 6277-6281.	1.7	66
8	Improved performance of pentacene field-effect transistors using a polyimide gate dielectric layer. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 1148-1151.	1.3	65
9	Bulk moduli and high-pressure phases of the uranium rocksalt structure compounds-I. The monochalcogenides. <i>High Pressure Research</i> , 1989, 1, 235-251.	0.4	61
10	Triphenylamine-Based Push-Pull C ₆₀ Dyad As Photoactive Molecular Material for Single-Component Organic Solar Cells: Synthesis, Characterizations, and Photophysical Properties. <i>Chemistry of Materials</i> , 2018, 30, 3474-3485.	3.2	58
11	Influence of size effect and sputtering conditions on the crystallinity and optical properties of ZnO thin films. <i>Optics Communications</i> , 2007, 269, 346-350.	1.0	57
12	Phase transformation of AnX compounds under high pressure (An = Np, Pu; X = Sb, Te). <i>Journal of the Less Common Metals</i> , 1990, 160, 35-52.	0.9	50
13	Structural and electrical properties of zinc oxides thin films prepared by thermal oxidation. <i>Applied Surface Science</i> , 2008, 254, 4179-4185.	3.1	49
14	Actinide compounds under pressure. <i>Journal of Alloys and Compounds</i> , 1992, 181, 1-12.	2.8	41
15	Multistate polarization addressing using a single beam in an azo polymer film. <i>Optics Letters</i> , 2005, 30, 1986.	1.7	38
16	Influence of the polymer dielectric characteristics on the performance of a quaterthiophene organic field-effect transistor. <i>Journal of Materials Science</i> , 2006, 41, 317-322.	1.7	38
17	Neptunium compounds under high pressure. <i>Journal of the Less Common Metals</i> , 1986, 121, 461-468.	0.9	37
18	Novel Styrylquinolinium Dye Thin Films Deposited by Pulsed Laser Deposition for Nonlinear Optical Applications. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7144-7152.	1.5	37

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19	Bulk moduli and high-pressure phases of the uranium rocksalt structure compounds: II. The mononictides. <i>High Pressure Research</i> , 1989, 1, 253-266.	0.4	36
20	Improved performance of organic solar cells by growth optimization of MoO ₃ /CuI double-€node buffer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 802-808.	0.8	33
21	High-pressure X-ray diffraction on neptunium compounds: Recent results for NpAs. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1986, 144, 79-83.	0.9	32
22	Compression studies on PuAs up to 45 GPa. <i>Journal of the Less Common Metals</i> , 1989, 153, 133-141.	0.9	31
23	Pressure-induced phase transition in $\hat{\pm}$ -Pu. <i>Journal of Alloys and Compounds</i> , 1993, 190, 237-242.	2.8	31
24	Complexation of Neptunium(V) by Halo- and Hydroxycarboxylate Ligands. <i>Radiochimica Acta</i> , 1990, 51, 113-118.	0.5	29
25	Bulk modulus and P- V relationship up to 52 GPa of neptunium metal at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 1987, 63-64, 661-663.	1.0	28
26	Carbon surface derivatization by electrochemical reduction of a diazonium salt in situ produced from the nitro precursor. <i>Journal of Electroanalytical Chemistry</i> , 2011, 661, 13-19.	1.9	26
27	Influence of the polymer dielectric characteristics on the performance of pentacene organic field-effect transistors. <i>Solid-State Electronics</i> , 2008, 52, 179-181.	0.8	25
28	Thiophene vs thiazole: Effect of the $\hat{\epsilon}$ -connector on the properties of phthalimide end-capped diketopyrrolopyrrole based molecular acceptors for organic photovoltaics. <i>Dyes and Pigments</i> , 2017, 137, 576-583.	2.0	24
29	Structural and optical properties of ZnO thin films deposited onto ITO/glass substrates. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4461-4464.	1.5	23
30	Effect of side chains on the electronic and photovoltaic properties of diketopyrrolopyrrole-based molecular acceptors. <i>Organic Electronics</i> , 2016, 37, 479-484.	1.4	23
31	A nonvolatile memory element based on a quaterthiophene field-effect transistor. <i>Materials Letters</i> , 2005, 59, 1165-1168.	1.3	20
32	On morphological, structural and electrical properties of vacuum deposited pentacene thin films. <i>Vacuum</i> , 2009, 83, 1159-1163.	1.6	20
33	Study of heavy-fermion compounds under high pressure. <i>Journal of Magnetism and Magnetic Materials</i> , 1987, 63-64, 403-405.	1.0	19
34	High-pressure phases of uranium monophosphide studied by synchrotron x-ray diffraction. <i>Physical Review B</i> , 1988, 37, 8713-8718.	1.1	18
35	Bromination of the benzothioxanthene Bloc: toward new $\hat{\epsilon}$ -conjugated systems for organic electronic applications. <i>Journal of Materials Chemistry C</i> , 2018, 6, 761-766.	2.7	18
36	Incoherent light-induced self-organization of molecules. <i>Optics Letters</i> , 2005, 30, 3177.	1.7	15

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37	Pentaerythritol based push-pull tetramers for organic photovoltaics. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1921-1927.	2.5	13
38	Direct (Hetero)Arylation Polymerization of a Spirobifluorene and a Dithienyl-Diketopyrrolopyrrole Derivative: New Donor Polymers for Organic Solar Cells. <i>Molecules</i> , 2018, 23, 962.	1.7	12
39	Exploration of the structure-property relationship of push-pull based dyads for single-molecule organic solar cells. <i>Dyes and Pigments</i> , 2019, 170, 107632.	2.0	12
40	High pressure X-ray absorption spectroscopy on uranium compounds. <i>Inorganica Chimica Acta</i> , 1987, 140, 193-195.	1.2	11
41	Transuranium materials under extreme pressures. <i>Journal of Nuclear Materials</i> , 1989, 166, 48-55.	1.3	11
42	Self-Induced Diffraction Grating Storage in Polymer Films. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 446, 99-109.	0.4	11
43	Impact of the Diazonium Grafting Control on the Interfacial Reactivity: Monolayer versus Multilayer. <i>ChemElectroChem</i> , 2017, 4, 278-282.	1.7	11
44	A generic monolayer platform for the functionalization of surfaces through Sonogashira coupling. <i>Synthetic Metals</i> , 2019, 247, 37-45.	2.1	11
45	The pressure-induced transformation B1 to B2 in actinide compounds. <i>Journal of Applied Crystallography</i> , 1990, 23, 515-519.	1.9	10
46	High-pressure study of neptunium and plutonium compounds. <i>High Pressure Research</i> , 1990, 4, 384-386.	0.4	10
47	Structural study of americium to 52 GPa. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1986, 139-140, 284.	0.9	9
48	Fluorescent Self-Assembled Monolayers of Umbelliferone: A Relationship between Contact Angle and Fluorescence. <i>Langmuir</i> , 2013, 29, 10423-10431.	1.6	9
49	Complexation of Neptunium(V) by adenosine phosphates. <i>Journal of Inorganic Biochemistry</i> , 1993, 51, 701-705.	1.5	8
50	A new look at the atomic volumes of the $\hat{\Gamma}^2$ -form of the transplutonium metals. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1986, 144, 19-22.	0.9	7
51	Complexation of Neptunium(V) by Polyaminocarboxylate Ligands. <i>Radiochimica Acta</i> , 1990, 51, 151-156.	0.5	7
52	Nonlocal communication with photoinduced structures at the surface of a polymer film. <i>Optics Express</i> , 2005, 13, 10697.	1.7	7
53	Thermally induced crystallization, hole-transport, NLO and photovoltaic activity of a bis-diarylamine-based push-pull molecule. <i>Scientific Reports</i> , 2017, 7, 8317.	1.6	7
54	Classical or inverted photovoltaic cells: On the importance of the morphology of the organic layers on their power conversion efficiency. <i>Dyes and Pigments</i> , 2016, 132, 185-193.	2.0	6

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55	Compression of the heavy-fermion compound URu ₂ Si ₂ to 50 GPa. <i>Journal of the Less Common Metals</i> , 1988, 142, L23-L25.	0.9	5
56	Second harmonic generation and photochromic grating in polyurethane films containing diazo isoxazole chromophore. <i>Optical Materials</i> , 2008, 30, 1832-1839.	1.7	5
57	Thienoisindigo end-capped molecular donors for organic photovoltaics: Effect of the central π -conjugated connector. <i>Dyes and Pigments</i> , 2017, 145, 7-11.	2.0	5
58	Synthesis of push-pull triarylamine dyes containing 5,6-difluoro-2,1,3-benzothiadiazole units by direct arylation and their evaluation as active material for organic photovoltaics. <i>Materials Advances</i> , 2021, 2, 7456-7462.	2.6	5
59	High-pressure studies of uranium and thorium compounds using synchrotron radiation. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1986, 144, 56-60.	0.9	4
60	Neuron growth engineering on a photoinduced surface relief grating: a tool for plastic neuroelectronics. , 2006, 6191, 405.		4
61	New Penta(tetrathiafulvalenyl)[60]fullerenes for Supramolecular Materials. <i>Chemistry - A European Journal</i> , 2016, 22, 8452-8456.	1.7	4
62	CuAAC-Based Assembly and Characterization of a New Molecular Dyad for Single Material Organic Solar Cell. <i>Metals</i> , 2019, 9, 618.	1.0	4
63	A triazatruxene-based molecular dyad for single-component organic solar cells. <i>Chemistry Squared</i> , 0, 2, 3.	0.0	4
64	Compression of the hexagonal Laves phase UNi ₂ to 41 GPa. <i>Journal of the Less Common Metals</i> , 1988, 142, L19-L21.	0.9	3
65	High-pressure X-ray diffraction study of the β' -phase in the uranium-neptunium binary system. <i>High Pressure Research</i> , 1990, 2, 255-261.	0.4	3
66	<title>Multistate addressing using one single beam polarization in an azobenzene polymer film</title>. , 2006, 6259, 223.		3
67	Laser-induced formation of periodical structures on the AlIBVI semiconductors surfaces. <i>Optical Materials</i> , 2007, 30, 380-383.	1.7	3
68	Electrode grafting by oxidation of an amine catalyzed by a ferrocenyl π -antenna through intramolecular electron transfer. <i>Electrochemistry Communications</i> , 2017, 82, 52-55.	2.3	3
69	Enhanced Penta(organo)[60]fullerenes by Electroactive Donor Units for Supramolecular Polymers. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4860-4866.	1.2	3
70	Multistate polarization addressing using one single beam in an azo polymer film: erratum. <i>Optics Letters</i> , 2006, 31, 1923.	1.7	2
71	Preparation and study of a carbohydrate-functionalized carbon surface by electrochemical oxidation of 4-aminophenyl- β -D-glucopyranoside. <i>Electrochemistry Communications</i> , 2018, 93, 175-179.	2.3	2
72	Realization and characterization of plastic photovoltaic cells. , 2004, 5351, 284.		1

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73	The memory effect of a pentacene field-effect transistor with a polarizable gate dielectric. , 2004, 5351, 166.		1
74	<title>All-optical poling of DMABI molecules in a polymer matrix</title>. , 2005, 5946, 186.		1
75	Multistate polarization addressing using one single beam in an azo polymer film. , 0, , .		1
76	Photoinduced Gratings in Functionalized Azo-Carbazole Compounds in Picosecond Regime. Molecular Crystals and Liquid Crystals, 2008, 485, 1030-1042.	0.4	1
77	Photoinduced surface relief multigrating on thin azopolymer films. , 2006, , .		0
78	Realisation and characterisation organic plastic solar cells based on different derivatives of fullerene-C ₆₀ . , 2007, , .		0
79	Synthesis and self-assembly of a penta[60]fullerene bearing benzo[ghi]perylene triimide units. RSC Advances, 2021, 11, 6002-6007.	1.7	0
80	Photoinduced Nonlinear Effects in C ₆₀ -2-thioxo-1,3-di thiole and C ₆₀ -TTF Derivatives. Acta Physica Polonica A, 2003, 103, 283-292.	0.2	0