

Sylvain Duval

List of Publications by Year in descending order

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687220

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#	ARTICLE	IF	CITATIONS
1	Carbazole-based compounds as photoinitiators for free radical and cationic polymerization upon near visible light illumination. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 578-585.	1.6	51
2	Stabilization of Tetravalent 4f (Ce), 5d (Hf), or 5f (Th, U) Clusters by the $[\pm\text{-SiW}_9\text{O}_{34}]^{10-}$ Polyoxometalate. <i>Inorganic Chemistry</i> , 2015, 54, 8271-8280.	1.9	33
3	5,12-Dihydroindolo[3,2-a]carbazole: A promising scaffold for the design of visible light photoinitiators of polymerization. <i>European Polymer Journal</i> , 2022, 162, 110880.	2.6	28
4	Microwave-Assisted Synthesis of Porous Composites MOF@Textile for the Protection against Chemical and Nuclear Hazards. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21497-21508.	4.0	28
5	The Surprising Stability of $\text{Cu}_3(\text{btc})_2$ Metal-Organic Framework under Steam Flow at High Temperature. <i>Crystal Growth and Design</i> , 2018, 18, 6681-6693.	1.4	25
6	Capture of Gaseous Iodine in Isorecticular Zirconium-Based UiO_6 Metal-Organic Frameworks: Influence of Amino Functionalization, DFT Calculations, Raman and EPR Spectroscopic Investigation. <i>Chemistry - A European Journal</i> , 2022, 28, e202104437.	1.7	23
7	$\text{B}_4\text{-[AsW}_9\text{O}_{33}]^{9-}$ polyoxometalates incorporating hexanuclear uranium $\{\text{U}_6\text{O}_8\}$ -like clusters bearing the U^{IV} form or unprecedented mixed valence $\text{U}^{\text{IV}}/\text{U}^{\text{VI}}$ involving direct $\text{U}^{\text{VI}}\text{-O-U}^{\text{IV}}$ bonding. <i>Dalton Transactions</i> , 2015, 44, 19772-19776.	1.6	21
8	Unprecedented Nucleophilic Attack of Piperidine on the Electron Acceptor during the Synthesis of Push-Pull Dyes by a Knoevenagel Reaction. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900229.	1.0	21
9	New Donor-Acceptor Stenhouse Adducts as Visible and Near Infrared Light Polymerization Photoinitiators. <i>Molecules</i> , 2020, 25, 2317.	1.7	20
10	Uranyl Cation Incorporation in the $[\text{P}_8\text{W}_{48}\text{O}_{184}]^{40-}$ Macrocycle Phosphopolytungstate. <i>Inorganic Chemistry</i> , 2019, 58, 1091-1099.	1.9	16
11	New push-pull dyes based on 2-(3-oxo-2,3-dihydro-1H-cyclopenta[b]naphthalen-1-ylidene)malononitrile: An amine-directed synthesis. <i>Dyes and Pigments</i> , 2020, 175, 108182.	2.0	16
12	Influence of the pH on the Condensation of Tetravalent Cerium Cations in Association with $[\pm\text{-SiW}_9\text{O}_{34}]^{10-}$ Leading to the Formation of a $\text{Ce}_6\text{O}_4(\text{OH})_4$ Core. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5373-5379.	1.0	15
13	Trends and new directions in the crystal chemistry of actinide oxo-clusters incorporated in polyoxometalates. <i>CrystEngComm</i> , 2020, 22, 3549-3562.	1.3	14
14	Time-controlled synthesis of the 3D coordination polymer $\text{U}(1,2,3\text{-Hbtc})_2$ followed by the formation of molecular poly-oxo cluster $\{\text{U}_{14}\}$ containing hemimellitate uranium(IV). <i>RSC Advances</i> , 2019, 9, 22795-22804.	1.7	13
15	Synthesis of a large dodecameric cerium cluster stabilized by the $[\text{SiW}_9\text{O}_{34}]^{10-}$ polyoxometalate. <i>Inorganic Chemistry Communication</i> , 2017, 83, 52-54.	1.8	12
16	Influence of Light and Temperature on the Extractability of Cerium(IV) as a Surrogate of Plutonium(IV) and its Effect on the Simulation of an Accidental Fire in the PUREX Process. <i>ACS Omega</i> , 2019, 4, 12896-12904.	1.6	9
17	Complexation of tetravalent uranium cations by the $\text{As}_4\text{W}_{40}\text{O}_{140}$ cryptand. <i>CrystEngComm</i> , 2018, 20, 5500-5509.	1.3	8
18	Bottom-up synthesis of functionalized $\{\text{Ce}_4(\text{SiW}_9\text{O}_{34})_2(\text{l})_2\}$ polyoxometalates. <i>CrystEngComm</i> , 2018, 20, 7144-7155.	1.3	6

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19	Influence of pH on CeIV-[AsIIIW9O33]9 ⁻ association for the formation of hexanuclear cerium(iv) oxo-hydroxo-clusters stabilized by trivalent polyanions. CrystEngComm, 2020, 22, 371-380.	1.3	6
20	Synthesis, and the optical and electrochemical properties of a series of push-pull dyes based on the 4-(9-ethyl-9 <i>H</i> -carbazol-3-yl)-4-phenylbuta-1,3-dienyl donor. New Journal of Chemistry, 2021, 45, 5808-5821.	1.4	6
21	Crystal Chemistry and SAXS Studies of an Octahedral Polyoxoarsenotungstate Nanocluster Encapsulating Four Unprecedented Thorium Arsenate Fragments ($\{Th_3As_2O_n\}^{n-}$ n = 25 or 26). European Journal of Inorganic Chemistry, 2019, 2019, 4500-4505.	1.0	5
22	Quantitative Precipitation of Uranyl or Plutonyl Nitrate with N-(1-Adamantyl)acetamide in Nitric Acid Aqueous Solution. Inorganic Chemistry, 2020, 59, 11459-11468.	1.9	4
23	Synthesis, optical and electrochemical properties of a series of push-pull dyes based on the 4,4-bis(4-methoxy phenyl)butadienyl donor. Dyes and Pigments, 2021, 194, 109552.	2.0	4
24	Synthesis and Structural Characterization of Lanthanide-Containing Polytungstoantimonate [$\{Sb_3(\mu)TjETQqO_0O_0rgBT/Overloc$ Chemistry, 2020, 2020, 3837-3845.	1.0	2
25	Crystal Chemistry and SAXS Studies of an Octahedral Polyoxoarsenotungstate Nanocluster Encapsulating Four Unprecedented Thorium Arsenate Fragments ($\{Th_3As_2O_n\}^{n-}$ n = 25 or 26). European Journal of Inorganic Chemistry, 2019, 2019, 4487-4487.	1.0	0