Eric Renault

List of Publications by Year
in descending order

47 papers	1,052 citations	567281 15 h-index	414414 32 g-index
47 all docs	47 docs citations	47 times ranked	1307 citing authors

#	Article	IF	Citations
1	Characterization of Uranyl Coordinated by Equatorial Oxygen: Oxo in UO₃ versus Oxyl in UO₃⁺. Journal of Physical Chemistry A, 2021, 125, 5544-5555.	2.5	1
2	The electron affinity of astatine. Nature Communications, 2020, 11, 3824.	12.8	42
3	Controlling Cationâ€Cation Interactions in Uranyl Coordination Dimers by Varying the Length of the Dicarboxylate Linker. European Journal of Inorganic Chemistry, 2020, 2020, 4465-4476.	2.0	3
4	Quantum Chemical Topology in the Field of Quasirelativistic Quantum Calculations. Challenges and Advances in Computational Chemistry and Physics, 2016, , 553-582.	0.6	4
5	Heptavalent Neptunium in a Gas-Phase Complex: (Np^{VII}O₃⁺)(NO₃^{â€“})₂. Inorganic Chemistry, 2016, 55, 9830-9837.	4.0	12
6	Synthesis and Structures of Plutonyl Nitrate Complexes: Is Plutonium Heptavalent in PuO₃(NO₃)₂^{â€“} ?. Inorganic Chemistry, 2015, 54, 2367-2373.	4.0	19
7	Synthesis and Characterization of a Stable Copper(I) Complex for Radiopharmaceutical Applications. ChemPlusChem, 2014, 79, 1284-1293.	2.8	9
8	QTAIM Analysis in the Context of Quasirelativistic Quantum Calculations. Journal of Chemical Theory and Computation, 2014, 10, 4830-4841.	5.3	51
9	Polyaminoquinoline Iron Chelators for Vectorization of Antiproliferative Agents: Design, Synthesis, and Validation. Bioconjugate Chemistry, 2012, 23, 1952-1968.	3.6	16
10	Introducing the ELF Topological Analysis in the Field of Quasirelativistic Quantum Calculations. Journal of Chemical Theory and Computation, 2012, 8, 2985-2990.	5.3	43
11	Assessment of an effective quasirelativistic methodology designed to study astatine chemistry in aqueous solution. Physical Chemistry Chemical Physics, 2011, 13, 14984.	2.8	56
12	Structural features and protonation site of epibatidine in the gas phase: an investigation through infrared multiphoton dissociation spectroscopy and computational chemistry. Physical Chemistry Chemical Physics, 2011, 13, 2272-2277.	2.8	1
13	Electrochemical Synthesis and Characterisation of Alternating Tripyridylâ€“Dipyrrole Molecular Strands with Multiple Nitrogenâ€Based Donorâ€“Acceptor Binding Sites. Chemistry - A European Journal, 2010, 16, 11876-11889.	3.3	12
14	Theoretical Study of the Structures and Hydrogen-Bond Properties of New Alternated Heterocyclic Compounds. Journal of Physical Chemistry A, 2010, 114, 6413-6422.	2.5	12
15	Astatine Standard Redox Potentials and Speciation in Acidic Medium. Journal of Physical Chemistry A, 2010, 114, 576-582.	2.5	65
16	An Enthalpic Scale of Hydrogen-Bond Basicity. 4. Carbon Ï€ Bases, Oxygen Bases, and Miscellaneous Second-Row, Third-Row, and Fourth-Row Bases and a Survey of the 4-Fluorophenol Affinity Scale. Journal of Organic Chemistry, 2010, 75, 4105-4123.	3.2	79
17	The pK_{BHX} Database: Toward a Better Understanding of Hydrogen-Bond Basicity for Medicinal Chemists. Journal of Medicinal Chemistry, 2009, 52, 4073-4086.	6.4	276
18	The Exceptional Hydrogen-Bond Properties of Neutral and Protonated Lobeline. Journal of Physical Chemistry A, 2007, 111, 6397-6405.	2.5	22

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19	Selenoxides Are Better Hydrogen-Bond Acceptors than Sulfoxides:Â a Crystallographic Database and Theoretical Investigation. Journal of Physical Chemistry A, 2004, 108, 7232-7240.	2.5	11
20	Cytosine excited state dynamics studied by femtosecond fluorescence upconversion and transient absorption spectroscopy. Chemical Physics Letters, 2003, 380, 173-180.	2.6	51
21	UV/VUV FREE ELECTRON LASER OSCILLATORS AND APPLICATIONS IN MATERIALS SCIENCE. Surface Review and Letters, 2002, 09, 599-607.	1.1	1
22	Applications in biology with the super-ACO FEL and future prospects. , 2002, 4633, 210.		0
23	Achromatic damage investigations on mirrors for UV-free electron lasers. , 2001, , .		2
24	The European UV/VUV storage ring FEL at ELETTRA: first operation and future prospects. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 34-37.	1.6	14
25	First lasing and initial performance of the European UV/VUV storage ring FEL at ELETTRA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 475, 20-27.	1.6	45
26	Towards the Fourier limit on the super-ACO Storage Ring FEL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 475, 229-233.	1.6	12
27	Transient absorption spectroscopy in biology using the Super-ACO storage ring FEL and the synchrotron radiation combination. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 475, 617-624.	1.6	1
28	Gamma rays produced by inverse Compton scattering in the Super-ACO storage ring free electron laser. Radiation Physics and Chemistry, 2001, 61, 351-352.	2.8	1
29	The super-ACO free electron laser source in the UV and its applications. Radiation Physics and Chemistry, 2001, 61, 449-450.	2.8	2
30	Local energy exchange in a storage-ring free-electron laser. Physical Review E, 2001, 64, 026502.	2.1	12
31	Storage ring based FELs in Europe: Perspectives for new UV-VUV coherent sources. European Physical Journal Special Topics, 2001, 11, Pr2-245-Pr2-249.	0.2	0
32	Le laser Ã Ã©lectrons libres UV de super-ACO : source et applications. European Physical Journal Special Topics, 2001, 11, Pr7-45-Pr7-46.	0.2	0
33	<title>Toward resistant UV mirrors at 200 nm for free electron lasers: manufacture, characterizations, and degradation tests</title>. , 2000, , .		4
34	Transient absorption spectroscopy using the super-ACO storage ring FEL. , 2000, , .		4
35	Super ACO FEL oscillation at 300 nm. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 445, 143-148.	1.6	5
36	Transient charge carrier distribution at UV-photoexcitedSiO2/Siinterfaces. Physical Review B, 2000, 61, R5070-R5073.	3.2	51

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37	Inter-dependence of the electron beam excitations with the free electron laser stability on the super-ACO storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 429, 165-171.	1.6	10
38	Applications of UV-storage ring free electron lasers: the case of super-ACO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 429, 489-496.	1.6	11
39	European project to develop a UV/VUV free-electron laser facility on the ELETTRA storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 429, 179-184.	1.6	31
40	Baseâ€specific Photocleavage of DNA Induced by Pazelliptine Sensitization: Study of the Mechanism by Timeâ€resolved Absorption and Fluorescence. Photochemistry and Photobiology, 1999, 70, 829-840.	2.5	6
41	<title>Two-color experiments combining the UV storage ring free-electron laser and the SA5 IR beamline at Super-ACO</title>. , 1999, , .		6
42	<title>UV dielectric multilayer mirrors for free-electron lasers</title>. , 1999, 3738, 354.		4
43	Spectroscopic study of the interaction of pazelliptine with nucleic acids. Journal of Photochemistry and Photobiology B: Biology, 1997, 40, 218-227.	3.8	18
44	Proton and charge transfer in the intercalating antitumour drug pazelliptine. Journal of the Chemical Society Perkin Transactions II, 1996, , 1767.	0.9	13
45	Radical chemistry of the antitumor drug pazelliptine (PZE) in aqueous solution or intercalated in poly(dA)-poly(dT). Journal De Chimie Physique Et De Physico-Chimie Biologique, 1996, 93, 194-202.	0.2	1
46	Triplet excited-state characterization and determination of the photoionization mechanism of the antitumoral drug pazelliptine. Journal of Photochemistry and Photobiology A: Chemistry, 1995, 90, 95-102.	3.9	6
47	Two-photon ionisation of the antitumor drug pazelliptine (BD40) by 355 nm laser photolysis. Journal of Photochemistry and Photobiology B: Biology, 1993, 21, 203-209.	3.8	7