

Richard A Jones

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Single-Source III/V Precursors: A New Approach to Gallium Arsenide and Related Semiconductors. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1208-1215.	4.4	296
2	Anion Dependent Self-Assembly of "Tetra-Decker" and "Triple-Decker" Luminescent Tb(III) Salen Complexes. <i>Journal of the American Chemical Society</i> , 2005, 127, 7686-7687.	6.6	192
3	Luminescent 4f and d-4f polynuclear complexes and coordination polymers with flexible salen-type ligands. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 63-75.	9.5	157
4	Heterobimetallic Zn(II)-Ln(III) Phenylene-Bridged Schiff Base Complexes, Computational Studies, and Evidence for Singlet Energy Transfer as the Main Pathway in the Sensitization of Near-Infrared Nd ³⁺ Luminescence. <i>Inorganic Chemistry</i> , 2006, 45, 9315-9325.	1.9	155
5	Design and synthesis of a near infra-red luminescent hexanuclear Zn-Nd prism. <i>Chemical Communications</i> , 2006, , 1836-1838.	2.2	142
6	Multinuclear Luminescent Schiff-Base Zn-Nd Sandwich Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 4340-4345.	1.9	139
7	Anion-Dependent Self-Assembly of Near-Infrared Luminescent 24- and 32-Metal Cd-Ln Complexes with Drum-like Architectures. <i>Journal of the American Chemical Society</i> , 2013, 135, 8468-8471.	6.6	134
8	Niedermolekulare III/V-Komplexe, ein möglicher neuer Weg zu Galliumarsenid und verwandten Halbleitern. <i>Angewandte Chemie</i> , 1989, 101, 1235-1243.	1.6	97
9	Synthesis and near infrared luminescence of a tetrametallic Zn ₂ Yb ₂ architecture from a trinuclear Zn ₃ L ₂ Schiff base complex. <i>Dalton Transactions</i> , 2005, , 849.	1.6	95
10	AN ALKYL-SUBSTITUTED INDIUM(I) TETRAMER. <i>Journal of Coordination Chemistry</i> , 1993, 30, 25-28.	0.8	86
11	Tetranuclear NIR luminescent Schiff-base Zn-Nd complexes. <i>New Journal of Chemistry</i> , 2008, 32, 127-131.	1.4	86
12	Pentanuclear tetra-decker luminescent lanthanide Schiff base complexes. <i>Dalton Transactions</i> , 2008, , 1676.	1.6	73
13	Synthesis and Structures of Intramolecularly Base-Coordinated Aryl Group 15 Compounds. <i>Inorganic Chemistry</i> , 1996, 35, 6179-6183.	1.9	72
14	Self-Assembly of Luminescent Hexanuclear Lanthanide Salen Complexes. <i>Crystal Growth and Design</i> , 2012, 12, 970-974.	1.4	71
15	Anion-dependent construction of two hexanuclear 3d-4f complexes with a flexible Schiff base ligand. <i>Dalton Transactions</i> , 2012, 41, 11449.	1.6	64
16	Hetero-trinuclear near-infrared (NIR) luminescent Zn ₂ Ln complexes from Salen-type Schiff-base ligands. <i>New Journal of Chemistry</i> , 2009, 33, 2326.	1.4	58
17	Near-Infrared Luminescent, Neutral, Cyclic Zn ₂ Ln ₂ (Ln = Nd, Yb, and Er) Complexes from Asymmetric Salen-Type Schiff Base Ligands. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2714-2722.	1.0	55
18	A Thiophene-Containing Conductive Metallopolymer Using an Fe(II) Bis(terpyridine) Core for Electrochromic Materials. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34568-34580.	4.0	53

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19	Near Infrared Luminescence and Supramolecular Structure of a Helical Triple-Decker Yb(III) Schiff Base Cluster. <i>Crystal Growth and Design</i> , 2006, 6, 2122-2125.	1.4	50
20	Near-infrared (NIR) luminescent homoleptic lanthanide Salen complexes Ln ₄ (Salen) ₄ (Ln = Nd, Yb or Tm). <i>Journal of Materials Chemistry C</i> , 2014, 2, 1489.	2.7	30
21	Syntheses, structures, and photoluminescence of 1-D lanthanide coordination polymers. <i>Dalton Transactions</i> , 2009, , 10505.	1.6	46
22	An Alkaline Flow Battery Based on the Coordination Chemistry of Iron and Cobalt. <i>Journal of the Electrochemical Society</i> , 2015, 162, A378-A383.	1.3	46
23	Synthesis, X-ray crystal structure and photophysical properties of tris(dibenzoylmethanido)(1,10-phenanthroline)samarium(III). <i>Polyhedron</i> , 2010, 29, 2511-2515.	1.0	45
24	Construction of 1-D 4f and 3d-4f coordination polymers with flexible Schiff base ligands. <i>Dalton Transactions</i> , 2011, 40, 9795.	1.6	45
25	Large Ln ₄₂ coordination nanorings: NIR luminescence sensing of metal ions and nitro explosives. <i>Chemical Communications</i> , 2019, 55, 13116-13119.	2.2	44
26	Effect of Heavy Atom (Br) at the Phenyl Rings of Schiff Base Ligands on the NIR Luminescence of their Bimetallic Zn-Nd Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1795-1800.	0.6	40
27	New Complex Cations of Aluminum(III) and Gallium(III). <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 277-278.	4.4	38
28	Synthesis and Characterization of 8-(Dimethylamino)-1-naphthyl Derivatives of Aluminum, Gallium, and Indium. <i>Inorganic Chemistry</i> , 2000, 39, 27-31.	1.9	38
29	Understanding the Effect of Metal Centers on Charge Transport and Delocalization in Conducting Metallopolymers. <i>Macromolecules</i> , 2017, 50, 872-883.	2.2	35
30	Self-assembly of NIR luminescent 30-metal drum-like and 12-metal rectangular d-f nanoclusters with long-chain Schiff base ligands. <i>Chemical Communications</i> , 2014, 50, 15569-15572.	2.2	34
31	First Examples of Near-Infrared Luminescent Poly(methyl methacrylate)-Supported Metallopolymers Based on Zn ₂ -Ln-Arrayed Schiff Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2839-2848.	1.0	32
32	PMMA-supported hybrid materials doped with highly near-infrared (NIR) luminescent complexes [Zn(L1)(Py)Ln(L2) ₃] (Ln = Nd, Yb or Er). <i>New Journal of Chemistry</i> , 2015, 39, 3698-3707.	1.4	31
33	Phosphane-Stabilized CuI and AgI Silanes. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1349-1350.	4.4	30
34	Near-infrared (NIR) luminescent metallopolymers based on Ln ₄ (Salen) ₄ nanoclusters (Ln = Nd or Yb). <i>Journal of Materials Chemistry C</i> , 2014, 2, 1489.	2.7	30
35	[Mes ₂ SbCu(PMe ₃) ₂] ₂ : The First CuI Antimonide. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1018-1019.	4.4	29
36	A nanoscale slipped sandwich of Tb ₁₀ -stabilization of a benzaldehyde methyl hemiacetyl. <i>Dalton Transactions</i> , 2004, , 1787.	1.6	29

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37	A 42-metal Yb(ⁱⁱⁱ) nanowheel with NIR luminescent response to anions. <i>Nanoscale</i> , 2020, 12, 1384-1388.	2.8	29
38	Anion dependent self-assembly of luminescent Zn ^{II} -Ln (Eu and Tb) salen complexes. <i>Polyhedron</i> , 2013, 52, 165-169.	1.0	28
39	Insertion and Coordination Reactions of Titanium(IV) Metallocene Zwitterions. <i>Organometallics</i> , 2001, 20, 177-181.	1.1	26
40	Transformation of a Luminescent Benzimidazole-Based Yb ₃ Cluster into a One-Dimensional Coordination Polymer. <i>Crystal Growth and Design</i> , 2010, 10, 970-976.	1.4	26
41	Influence of metal ^{II} -ligand ratio on benzimidazole based luminescent lanthanide complexes: 3-D network structures and chloride anion binding. <i>New Journal of Chemistry</i> , 2011, 35, 310-318.	1.4	26
42	A self-assembling luminescent lanthanide molecular nanoparticle with potential for live-cell imaging. <i>Chemical Science</i> , 2018, 9, 4630-4637.	3.7	26
43	Recent advances in the functional applications of conducting metallopolymer. <i>Coordination Chemistry Reviews</i> , 2018, 377, 237-258.	9.5	26
44	Anion dependent self-assembly of a linear hexanuclear Yb(ⁱⁱⁱ) salen complex with enhanced near-infrared (NIR) luminescence properties. <i>Chemical Communications</i> , 2013, 49, 9579.	2.2	25
45	Anion dependent self-assembly of 56-metal Cd ^{II} -Ln nanoclusters with enhanced near-infrared luminescence properties. <i>Nanoscale</i> , 2014, 6, 10569-10573.	2.8	24
46	Trimethylphosphine. <i>Inorganic Syntheses</i> , 2007, , 7-12.	0.3	23
47	Wide electrochemical window ionic salt for use in electropositive metal electrodeposition and solid state Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2194-2201.	5.2	23
48	Self-assembly of luminescent 42-metal lanthanide nanowheels with sensing properties towards metal ions and nitro explosives. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13425-13431.	2.7	23
49	Synthese und Struktur eines Diphosphadigalietans: ein neuartiges, basenstabilisiertes Ga ₂ P ₂ -Ringsystem. <i>Angewandte Chemie</i> , 1990, 102, 1169-1171.	1.6	22
50	Single-component Eu ³⁺ -Tb ³⁺ -Gd ³⁺ -grafted polymer with ultra-high color rendering index white-light emission. <i>RSC Advances</i> , 2017, 7, 6762-6771.	1.7	21
51	Construction of luminescent high-nuclearity Zn ^{II} -Ln rectangular nanoclusters with flexible long-chain Schiff base ligands. <i>Dalton Transactions</i> , 2018, 47, 53-57.	1.6	21
52	Synthesis and structures of luminescent ladder-like lanthanide coordination polymers of 4-hydroxybenzenesulfonate. <i>New Journal of Chemistry</i> , 2008, 32, 790.	1.4	20
53	Teaching through Research: Alignment of Core Chemistry Competencies and Skills within a Multidisciplinary Research Framework. <i>Journal of Chemical Education</i> , 2018, 95, 248-258.	1.1	20
54	NIR luminescence for the detection of metal ions and nitro explosives based on a grape-like nine-nuclear Nd(ⁱⁱⁱ) nanocluster. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 550-555.	3.0	20

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55	Construction of a Large High-Nuclearity Cd ^{II} -Sm Schiff Base Cluster with Nanoscale Inner Cavity as Luminescent Probe for Metal Cations. <i>Crystal Growth and Design</i> , 2019, 19, 2149-2154.	1.4	20
56	Group 4 Zwitterionic Metallocenes Based upon the Bridged Amido-Cyclopentadienyl Ligand and Coordinated Dienes. <i>Inorganic Chemistry</i> , 2001, 40, 1014-1019.	1.9	17
57	Temperature-dependent self-assembly of near-infrared (NIR) luminescent Zn ₂ Ln and Zn ₂ Ln ₃ (Ln = Nd, Yb) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 542 Td (2, Molecular and Biomolecular Spectroscopy, 2014, 132, 205-214.	2.0	17
58	Mononuclear Complexes of Cr(II) and Fe(II) with Terminal -SH Groups. Synthesis and X-Ray Crystal Structures of <i>trans</i> -M(SH) ₂ (dmpe) ₂ (M = Cr, Fe; dmpe =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (2,	0.8	16
59	Synthesis and Structures of two Bulky Gallium Chlorides. <i>Journal of Coordination Chemistry</i> , 1992, 25, 233-239.	0.8	16
60	Syntheses and Structures of [NMe ₂ (¹ / ₄ -NMe ₂)GaCl] ₂ and [TMP(¹ / ₄ -OEt)GaCl] ₂ (TMP =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (2,	0.8	16
61	Construction of 14-metal lanthanide nanorings with NIR luminescence response to ions. <i>Chemical Communications</i> , 2020, 56, 8651-8654.	2.2	16
62	[Mes ₂ SbCu(PMe ₃) ₂] ₂ , das erste Cu ^I -Antimonid. <i>Angewandte Chemie</i> , 2006, 101, 1089-1090.	1.6	15
63	Trimethylphosphine. <i>Inorganic Syntheses</i> , 2007, , 305-310.	0.3	15
64	Synthesis and Structural Characterization of Some Monomeric Group 13 Amides. <i>Inorganic Chemistry</i> , 1999, 38, 296-300.	1.9	14
65	Trilithium Heptaphosphide, Dilithium Hexadecaphosphide, and Trisodium Henicosaphosphide. <i>Inorganic Syntheses</i> , 2007, , 227-235.	0.3	14
66	Self-assembly of high-nuclearity lanthanide-based nanoclusters for potential bioimaging applications. <i>Nanoscale</i> , 2016, 8, 11123-11129.	2.8	14
67	Antibacterial thiamine inspired silver (I) and gold (I) N-heterocyclic carbene compounds. <i>Inorganica Chimica Acta</i> , 2021, 517, 120152.	1.2	13
68	SYNTHESIS, CHARACTERIZATION, AND X-RAY STRUCTURE OF BISfn-ACETATO DICARBONYL(DI-TERTI-BUTYLPHOSPHINE) RUTHENIUM (I)]. <i>Journal of Coordination Chemistry</i> , 1988, 18, 361-367.	0.8	12
69	A self-assembling lanthanide molecular nanoparticle for optical imaging. <i>Dalton Transactions</i> , 2015, 44, 2667-2675.	1.6	12
70	Effect of conjugation length and metal-backbone interactions on charge transport properties of conducting metallopolymers. <i>Polymer Chemistry</i> , 2017, 8, 4359-4367.	1.9	12
71	THE JAHN-TELLER EFFECT IN A TRIGONAL BIPYRAMIDAL Ni(III) COMPLEX; SYNTHESIS AND X-RAY CRYSTAL STRUCTURE OF <i>trans</i> -Ni(₃) ₃ (PMe ₃) ₃ ₂ . <i>Journal of Coordination Chemistry</i> , 1987, 16, 19-24.	0.8	11
72	Reaction of (t-BuGaCl ₂) ₂ with Ar [?] PHLi (Ar [?] = 2,4,6-t-Bu ₃ C ₆ H ₂): Preparation of the chloride-bridged dimer (t-BuGa(Cl)P(H)Ar [?]) ₂ . <i>Heteroatom Chemistry</i> , 1991, 2, 11-15.	0.4	11

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73	Anion dependent self-assembly of sandwich 13-metal Ni ^{II} -Ln nanoclusters with a long-chain Schiff base ligand. Dalton Transactions, 2017, 46, 1748-1752.	1.6	11
74	Construction of a High-Nuclearity Elliptical Yb(III) Nanoring: NIR Luminescent Response to Metal Ions and Nitro Explosives. Inorganic Chemistry, 2020, 59, 14620-14626.	1.9	11
75	A Novel Gallium ^{III} Phosphorus Cage Compound. Angewandte Chemie International Edition in English, 1991, 30, 1141-1143.	4.4	10
76	Electronic Grade Alkyls of Group 12 and 13 Elements. Inorganic Syntheses, 2007, , 29-66.	0.3	10
77	Synthesis and Crystal Structure of a New Heterotrinnuclear Schiff-Base Zn ^{II} -Gd Complex. Journal of Chemical Crystallography, 2010, 40, 1060-1064.	0.5	10
78	Direct synthesis of CdSe nanocrystals within a conducting metallopolymer: toward improving charge transfer in hybrid nanomaterials. Chemical Communications, 2016, 52, 13112-13115.	2.2	10
79	FORMATION OF COORDINATED t-Bu ₂ P(H)O via REACTION OF t-Bu ₂ PCl WITH ETHANOLIC ReO ₄ ^{III} . SYNTHESIS AND STRUCTURE OF trans-ReOCl ₂ (OEt){t-Bu ₂ P(OEt)}{t-Bu ₂ P(H)O}. Journal of Coordination Chemistry, 1987, 16, 45-50.	0.8	9
80	([18]Crown-6)Potassium Dicyanophosphide(1-). Inorganic Syntheses, 2007, , 126-129.	0.3	8
81	Construction of Chiral α -Triple-Decker ^{III} Nd(III) Nanocluster with High NIR Luminescence Sensitivity toward Co(II). Inorganic Chemistry, 2020, 59, 8652-8656.	1.9	8
82	SYNTHESIS AND X-RAY STRUCTURE OF [Ni($\frac{1}{4}$ -t-Bu ₂ P)(CO) ₂] ₂ (Ni-Ni), SPONTANEOUS LOSS OF CO TO GIVE THE ASYMMETRIC TRICARBONYL Ni ₂ ($\frac{1}{4}$ -t-Bu ₂ P) ₂ (CO) ₃ . Journal of Coordination Chemistry, 1987, 16, 51-57.	0.8	7
83	Anisotropic lanthanide-based nano-clusters for imaging applications. Faraday Discussions, 2016, 191, 465-479.	1.6	7
84	Sterically Shielded Stable Carbenes and Biscarbenes of the 1,2,4-Triazole Series: A New Method for the Preparation of 1,3,4-Triaryl α , β -1,2,4-Triazol α -Cylidenes. ChemistrySelect, 2018, 3, 5244-5248.	0.7	7
85	The First Structurally Characterized Trithionantimonite Transition Metal Complex, (CO) ₅ W($\frac{1}{4}$ -SB ⁺) ₂ Sb(SBu ⁺) ₂ , Exhibiting a Novel Mode of Coordination for the Trithioantimonite Ligand Sb(t-BuS) ₃ . Journal of Coordination Chemistry, 1987, 16, 213-218.	0.8	6
86	Use of Chelating Diphosphines To Prepare New Phosphido Clusters of Aluminum and Gallium. Organometallics, 1996, 15, 2657-2659.	1.1	6
87	Acetylde and triazolato complexes from Ru(II) azides. Main Group Chemistry, 2010, 9, 41-56.	0.4	6
88	Synthesis and electronic investigation of mono- and di-substituted 4-nitro- and 4-amino-pyrazol-1-yl bis(pyrazol-1-yl)pyridine-type ligands and luminescent Eu(III) derivatives. Dalton Transactions, 2017, 46, 7733-7742.	1.6	6
89	Electronic Interactions of α -Doped Perylene Diimide Groups Appended to Polynorbornene Chains: Implications for Electron Transport in Organic Electronics. Macromolecular Rapid Communications, 2017, 38, 1700420.	2.0	6
90	Synthesis and electropolymerization of N-heterocyclic carbene complexes of Pd(II) and Pt(II) from an emissive imidazolium salt with a terthiophene backbone. Dalton Transactions, 2019, 48, 14440-14449.	1.6	6

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91	1,1- η^2 -Dicarbodiimidoferrocenes: Synthesis, Characterization, and Group IV 1,1- η^2 -Bisguanidinateferrocene Complexes. <i>Organometallics</i> , 2019, 38, 2689-2698.	1.1	6
92	Metal cation sensing by a NIR luminescent high-nuclearity Zn η^4 -Yb schiff base nanocluster. <i>Journal of Luminescence</i> , 2019, 213, 440-445.	1.5	6
93	Incorporation of spin-crossover cobalt(II) complexes into conducting metallopolymers: Towards redox-controlled spin change. <i>Polymer</i> , 2021, 222, 123658.	1.8	6
94	Magnetism and Luminescence of a MOF with Linear Mn ₃ Nodes Derived from an Emissive Terthiophene-Based Imidazole Linker. <i>Molecules</i> , 2021, 26, 4286.	1.7	6
95	SYNTHESIS AND STRUCTURE OF A HETEROBIMETALLIC Fe-Ni PHOSPHIDO BRIDGED COMPLEX; X-RAY CRYSTAL STRUCTURE OF (PMe ₃) ₃ (CO) ₃ Fe(η^4 -t-Bu ₂ P)Ni(PMe ₃) ₃ Cl, (Fe-Ni). <i>Journal of Coordination Chemistry</i> , 1988, 17, 45-51.	0.8	5
96	Lanthanide nano-drums: a new class of molecular nanoparticles for potential biomedical applications. <i>Faraday Discussions</i> , 2014, 175, 241-255.	1.6	5
97	Accessing Pentagonal Bipyramidal Geometry with Pentadentate Pincer Amido-bis(amidate) Ligands in Group IV and V Early Transition Metal Complexes. <i>Organometallics</i> , 2020, 39, 3689-3694.	1.1	5
98	Construction of a crystalline 14-metal Zn η^4 -Nd rectangular nanocluster with a dual-emissive response towards metal ions. <i>RSC Advances</i> , 2019, 9, 40017-40022.	1.7	4
99	Organometallic Chemical Vapor Deposition of Gaas Using Novel Organometallic Precursors. <i>Materials Research Society Symposia Proceedings</i> , 1988, 131, 51.	0.1	3
100	Phosphorus Atoms in Unusual Environments. <i>ACS Symposium Series</i> , 1992, , 56-63.	0.5	3
101	BisTert -Butylphosphido (T -Bup(H)-) Bridged Dimers of Rhodium(+1) and Nickel(+1) Containing Rh=Rh Double and Ni-Ni Single Bonds. <i>Inorganic Syntheses</i> , 2007, , 173-177.	0.3	3
102	Construction of a 1-D Sm(η^3) coordination polymer with a long-chain Schiff base ligand: dual-emissive response to metal ions. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 464-469.	3.0	3
103	Ferrocene tethered boramidinate frustrated Lewis pairs: stepwise capture of CO ₂ and CO. <i>Dalton Transactions</i> , 2022, 51, 6275-6284.	1.6	3
104	Structure of chlorotrimethylphosphine cobalt(I), C ₉ H ₂₇ ClCoP ₃ . <i>Journal of Crystallographic and Spectroscopic Research</i> , 1983, 13, 273-278.	0.3	2
105	Single Source Precursors for III-V OMCVD Growth and Pyrolysis Studies. <i>Materials Research Society Symposia Proceedings</i> , 1990, 204, 73.	0.1	2
106	Dinuclear Phosphido and Arsenido Derivatives of Molybdenum. <i>Inorganic Syntheses</i> , 2007, , 167-170.	0.3	2
107	Electropolymerizable N-heterocyclic carbene complexes of Rh and Ir with enantiotropic polymorphic phases. <i>Dalton Transactions</i> , 2020, 49, 2264-2272.	1.6	2
108	New Complexes of Lanthanides with Unusual Main Group Ligands. <i>ACS Symposium Series</i> , 2005, , 221-236.	0.5	1

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109	Pyrazolate-Bridged Ruthenium(I) Carbonyl Complexes. <i>Inorganic Syntheses</i> , 2007, , 217-220.	0.3	1

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