

Kattesh V Katti

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9178634/kattesh-v-katti-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155
papers

4,802
citations

38
h-index

64
g-index

168
ext. papers

5,184
ext. citations

5.2
avg. IF

5.09
L-index

#	Paper	IF	Citations
155	Gum arabic as a phytochemical construct for the stabilization of gold nanoparticles: in vivo pharmacokinetics and X-ray-contrast-imaging studies. <i>Small</i> , 2007 , 3, 333-41	11	304
154	Green Nanotechnology from Tea: Phytochemicals in Tea as Building Blocks for Production of Biocompatible Gold Nanoparticles. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2912-2920		297
153	Bombesin functionalized gold nanoparticles show in vitro and in vivo cancer receptor specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8760-5	11.5	256
152	Characterization of supramolecular (H ₂ O) ₁₈ water morphology and water-methanol (H ₂ O) ₁₅ (CH ₃ OH) ₃ clusters in a novel phosphorus functionalized trimeric amino acid host. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6955-61	16.4	234
151	Laminin receptor specific therapeutic gold nanoparticles (198AuNP-EGCg) show efficacy in treating prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12426-31	11.5	185
150	Radioactive gold nanoparticles in cancer therapy: therapeutic efficacy studies of GA-198AuNP nanoconstruct in prostate tumor-bearing mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010 , 6, 201-9	6	158
149	Soybeans as a phytochemical reservoir for the production and stabilization of biocompatible gold nanoparticles. <i>Small</i> , 2008 , 4, 1425-36	11	157
148	Gastrin releasing protein receptor specific gold nanorods: breast and prostate tumor avid nanovectors for molecular imaging. <i>Nano Letters</i> , 2009 , 9, 1798-805	11.5	110
147	Design and Development of Functionalized Water-Soluble Phosphines: Catalytic and Biomedical Implications. <i>Accounts of Chemical Research</i> , 1999 , 32, 9-17	24.3	101
146	An effective strategy for the synthesis of biocompatible gold nanoparticles using cinnamon phytochemicals for phantom CT imaging and photoacoustic detection of cancerous cells. <i>Pharmaceutical Research</i> , 2011 , 28, 279-91	4.5	87
145	^{99m} Tc-labeling and in vivo studies of a bombesin analogue with a novel water-soluble dithiadiphosphine-based bifunctional chelating agent. <i>Bioconjugate Chemistry</i> , 1999 , 10, 254-60	6.3	87
144	Gold nanoparticle contrast in a phantom and juvenile swine: models for molecular imaging of human organs using x-ray computed tomography. <i>Academic Radiology</i> , 2010 , 17, 410-7	4.3	82
143	Nanocompatible chemistry toward fabrication of target-specific gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11342-3	16.4	78
142	Biodistribution of maltose and gum arabic hybrid gold nanoparticles after intravenous injection in juvenile swine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009 , 5, 128-35	6	72
141	Chemical and Biomedical Motifs of the Reactions of Hydroxymethylphosphines with Amines, Amino Acids, and Model Peptides. <i>Journal of the American Chemical Society</i> , 1999 , 121, 1658-1664	16.4	68
140	Green Nanotechnology from Cumin Phytochemicals: Generation of Biocompatible Gold Nanoparticles 2009 , 1, B39-B52		67
139	Gold nanoparticle mediated detection of prostate cancer cells using photoacoustic flowmetry with optical reflectance. <i>Journal of Biomedical Nanotechnology</i> , 2010 , 6, 187-91	4	57

138	Selenium nanomaterials in biomedicine. An overview of new opportunities in nanomedicine of selenium. <i>Journal of Drug Delivery Science and Technology</i> , 2018 , 46, 223-233	4.5	57
137	In vitro and in vivo antitumor properties of tetrakis((trishydroxy- methyl)phosphine)gold(I) chloride. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 1130-2	8.3	56
136	Synthesis, characterization, and labeling with ^{99m} Tc/ ¹⁸⁸ Re of peptide conjugates containing a dithia-bisphosphine chelating agent. <i>Bioconjugate Chemistry</i> , 2001 , 12, 354-63	6.3	56
135	Reactions of Sodium Bis(N-aryliminophosphoranyl)alkanides with Halide-Bridged Platinum(II) and Palladium(II) Phosphine Dimers Affording Four-Membered MNPCL Metallacycles and Orthometalated Platinum(II) and Palladium(II) Complexes. <i>Organometallics</i> , 1996 , 15, 2376-2392	3.8	50
134	Gum arabic-coated radioactive gold nanoparticles cause no short-term local or systemic toxicity in the clinically relevant canine model of prostate cancer. <i>International Journal of Nanomedicine</i> , 2014 , 9, 5001-11	7.3	46
133	Development of resveratrol-conjugated gold nanoparticles: interrelationship of increased resveratrol corona on anti-tumor efficacy against breast, pancreatic and prostate cancers. <i>International Journal of Nanomedicine</i> , 2019 , 14, 4413-4428	7.3	45
132	In vitro and in vivo evaluation of bidentate, water-soluble phosphine ligands as anchor groups for the organometallic fac-[^{99m} Tc(CO) ₃] ⁺ -core. <i>Nuclear Medicine and Biology</i> , 1999 , 26, 711-6	2.1	45
131	Unprecedented Selective Aminolysis: Aminopropyl Phosphine as a Building Block for a New Family of Air Stable Mono-, Bis-, and Tris-Primary Phosphines. <i>Journal of the American Chemical Society</i> , 2000 , 122, 1554-1555	16.4	44
130	Functionalized phosphine-phosphinimines as heteroatomic ligands. Synthesis, characterization, and representative x-ray structures of the phosphine-phosphinimines Ph ₂ PCH ₂ PPh ₂ :NAr [Ar = 5-F,2,4-(NO ₂) ₂ C ₆ H ₂ , 4-(CN)C ₆ F ₄] and structure of the rhodium(I) complex	5.1	44
129	Chemistry in Environmentally Benign Media. 3.1 Synthesis and Characterization of Rhenium(V) Complexes Derived from Novel Water-Soluble (Hydroxymethyl)phosphines. Crystal Structures of [Re(O) ₂ {(HOH ₂ C) ₂ PC ₆ H ₄ P(CH ₂ OH) ₂ } ₂]I and [Re(O) ₂ {(HOH ₂ C) ₂ PCH ₂ CH ₂ P(CH ₂ OH) ₂ } ₂]Cl. <i>Inorganic Chemistry</i> , 1996 , 35, 1753-1757	5.1	43
128	Functionalized radioactive gold nanoparticles in tumor therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012 , 4, 42-51	9.2	42
127	Facile and General Method for Synthesis of Sugar Coated Gold Nanoparticles 2009 , 1, B53-B59		41
126	Agarose-stabilized gold nanoparticles for surface-enhanced Raman spectroscopic detection of DNA nucleosides. <i>Applied Physics Letters</i> , 2006 , 88, 153114	3.4	41
125	New approaches to heteroatomic chelation of early and late transition metals. Synthesis and characterization of cyclometallaphosphoranimine- and cyclometallaphosphoraniminatophosphanes (and arsanes) of Mo(O), W(O), Rh(I), and Ir(I) derived from novel heterodifunctional phosphorus and arsenic ligands. <i>Organometallics</i> , 1989 , 8, 2147-2153	3.8	41
124	Synthesis and characterization of new heterocyclic compounds of tungsten, selenium, and tellurium. <i>Inorganic Chemistry</i> , 1987 , 26, 814-816	5.1	41
123	Facile Ring-Opening Reactions of Phthalimides as a New Strategy to Synthesize Amide-Functionalized Phosphonates, Primary Phosphines, and Bisphosphines. <i>Journal of Organic Chemistry</i> , 2000 , 65, 676-680	4.2	40
122	First examples of an isomeric methylene-bridged free phosphinomethylphosphoranimine and a metalated phosphinomethylphosphoranimine. Synthesis, characterization, and isomerization of the heterodifunctional ligand Me ₃ SiN:P(Ph) ₂ CH ₂ PPh ₂ and the transmetalation to the titanium derivative (eta-5-C ₅ H ₅) ₂ Ti(CH ₂ N:P(Ph) ₂ CH ₂ PPh ₂). <i>Inorganic Chemistry</i> , 1989 , 28, 413-416	5.1	40
121	New Approaches in Breast Cancer Therapy Through Green Nanotechnology and Nano-Ayurvedic Medicine - Pre-Clinical and Pilot Human Clinical Investigations. <i>International Journal of Nanomedicine</i> , 2020 , 15, 181-197	7.3	40

- 120 Coordination chemistry of phosphorus(III) and phosphorus(V) hydrazides. *Chemical Society Reviews*, **1995**, 24, 97 58.5 39
- 119 A Transition Metal Atom as Building Block of a Cyclic Phosphazene [Synthesis and Structure of $[Cl_3WN_3(PPh_2)_2]$. *Angewandte Chemie International Edition in English*, **1986**, 25, 477-478 39
- 118 Multifaceted Reactions of $P(CH_2OH)_3$ with Rhenium(V) Precursors. Synthesis, Characterization, and X-ray Structural Studies of $trans,trans,trans-[ReO_2\{P(CH_2OH)_3\}_2-(py)_2]Cl$, $trans,cis,cis-[ReO_2\{P(CH_2OH)_3\}_2(py)_2]Cl$, and Novel Alkoxide $[Re(O)(EO)-P(CH_2OH)_3]_2$. *Inorganic Chemistry*, **1998**, 37, 384-389 5.1 38
- 117 Phosphoranime phosphines and arsines as heterodifunctional coordinating ligands. Synthesis and characterization of new palladium(II) metallacycles $RN=PPh_2(CH_2)_nEPH_2PdCl_2$ ($R = SiMe_3, GeMe_3, H; n = 1, 2; E = P, As$) and the crystal and molecular structure of $HN = PPh_2CH_2PPh_2PdCl_2$, the first $HN=P$ complex. *Inorganic Chemistry*, **1999**, 38, 808-814 5.1 36
- 116 Gold nanoparticle based X-ray contrast agent for tumor imaging in mice and dog: a potential nano-platform for computer tomography theranostics. *Journal of Biomedical Nanotechnology*, **2014**, 10, 383-92 4 35
- 115 Ein Bergangsmetallatom als Baustein eines cyclischen Phosphazens [Synthese und Struktur von $[Cl_3WN_3(PPh_2)_2]$. *Angewandte Chemie*, **1986**, 98, 447-448 3.6 35
- 114 Green Nanotechnology from Plant Extracts: Synthesis and Characterization of Gold Nanoparticles. *Advances in Nanoparticles*, **2016**, 05, 176-185 1.4 32
- 113 Development of novel water-soluble, organometallic compounds for potential use in nuclear medicine: synthesis, characterization, and (^1H) and (^{31}P) NMR investigations of the complexes $fac-[ReBr(CO)_3L]$ ($L = bis(bis(hydroxymethyl)phosphino)ethane,$ *Inorganic Chemistry*, **2001**, 40, 2252-2259 5.1 30
- 112 Design and Development of the First Peptide-Chelating Bisphosphane Bioconjugate from a Novel Functionalized Phosphorus(III) Hydride Synthone. *Angewandte Chemie - International Edition*, **1999**, 38, 2020-2023 16.4 30
- 111 Chemistry in environmentally benign media Part 1. Synthesis and characterization of 1,2-bis[bis(hydroxymethyl)phosphino]ethane (BIMPE) X-ray structure of $[Pt\{(HOH_2C)_2PCH_2CH_2P(CH_2OH)_2\}_2](Cl)_2$. *Inorganica Chimica Acta*, **1995**, 240, 367-370 2.7 30
- 110 Enhanced photoacoustic detection of melanoma cells using gold nanoparticles. *Lasers in Surgery and Medicine*, **2011**, 43, 333-8 3.6 29
- 109 In vitro and in vivo characterization of a ^{99m}Tc complex with tris(hydroxymethyl)phosphine (THP). *Nuclear Medicine and Biology*, **1996**, 23, 617-22 2.1 28
- 108 Novel Coordination Behavior of $fac-[ReBr_3(CO)_3]_2-$ with 1,3,5-Triaza-7-phosphadmantane (PTA). Systematic Investigation on Stepwise Replacement of the Halides by PTA Ligand. Phase Transfer Studies and X-ray Crystal Structure of $[NEt_4][ReBr_2((PTA)(CO)_3]$, $[ReBr(PTA)_2(CO)_3]$, and $[Re(PTA)_3(CO)_3]PF_6$. *Inorganic Chemistry*, **1998**, 37, 5306-5312 5.1 27
- 107 Hydroxymethyl bis(phosphines) and their palladium(II) and platinum(II) complexes formed via biphasic reactions. Crystal structure of $[Pd\{(HOH_2C)_2PC_6H_4P(CH_2OH)_2\}_2]Cl_2$. *Journal of the Chemical Society Dalton Transactions*, **1996**, 1301 27
- 106 A new class of inorganic heterocycles from insertion of transition metals into the cyclophosphazene skeleton - synthesis and characterization of six-membered rings with vanadium, tungsten, and rhenium in high oxidation states. *Inorganic Chemistry*, **1987**, 26, 4032-4035 5.1 27
- 105 Chemistry of Bifunctional Photoprobes. 1. Perfluoroaryl Azido Functionalized Phosphorus Hydrazides as Novel Photoreactive Heterobifunctional Chelating Agents: High Efficiency Nitrene Insertion on Model Solvents and Proteins. *Journal of Organic Chemistry*, **1997**, 62, 2798-2807 4.2 26
- 104 Chemistry in Environmentally Benign Media, 8 Hydroxymethyl Functionalized Phosphanes as Building Blocks to new Water-Soluble Gold(I) Complexes - synthesis, Characterization, and X-ray crystal Structures of Novel Tetrahedral $[Au\{P(CH_2OH)_3\}_4]^+$ and Trigonal Planar $[Au\{P(CH_2OH)_3\}_3]^+$ Gold (I) Complexes. *Chemische Berichte*, **1997**, 130, 907-911 26
- 103 Retention of Inhibitory Potency of an ACE Inhibitor Conjugated with Rh(III) and Pd(II) (Iminophosphorano)phosphines. Synthesis and X-ray Structural Investigations. *Journal of the American Chemical Society*, **1998**, 120, 11364-11373 16.4 26

- 102 Design, synthesis, and chemistry of sterically nondemanding primary bisphosphines. *Journal of the American Chemical Society*, **2005**, 127, 331-6 16.4 26
- 101 Transition Metal Chemistry of Main Group Hydrazides. Part 16: (Phosphanyl)hydrazides R₂PN(Me)N(Me)PR₂ As a Novel Class of Chelating Bis(phosphines). Synthesis, Coordination Chemistry, and X-ray Structures of cis-[PdCl₂{(p-BrC₆H₄O)₂PN-(Me)N(Me)P(OC₆H₄Br-p)₂}] and cis-[PtCl₂{(p-BrC₆H₄O)₂PN-(Me)N(Me)P(OC₆H₄Br-p)₂}] **5.1 26**
- 100 Transition metal chemistry of main group hydrazides. 1. Synthesis and characterization of cyclometallaphosphohydrazides of cobalt(I), copper(I), and palladium(II). X-ray structures of cobalt(I) and palladium(II) representatives. *Inorganic Chemistry*, **1992**, 31, 4588-4593 5.1 26
- 99 Transition-metal chemistry of main-group hydrazides. Part 2. A new oxime thiosemicarbazide framework as a novel SN multifunctional tripodal ligand for palladium(II): synthetic and X-ray crystal structural investigations. *Journal of the Chemical Society Dalton Transactions*, **1993**, 2153 26
- 98 Gum Arabic-encapsulated gold nanoparticles for a non-invasive photothermal ablation of lung tumor in mice. *Biomedicine and Pharmacotherapy*, **2017**, 89, 1045-1054 7.5 25
- 97 Chemistry in Environmentally Benign Media. 7.(1) Chelating Hydroxymethyl-Functionalized Bisphosphines as Building Blocks to Water-Soluble and in-Vitro-Stable Gold(I) Complexes. Synthesis, Characterization, and X-ray Crystal Structures of [AuCl(P(CH₂OH)₂CH₂CH₂CH₂OP(CH₂OH)₂)₂]⁺ and [AuCl(P(CH₂OH)₂CH₂CH₂CH₂OP(CH₂OH)₂)₂]⁻ **5.1 25**
- 96 Syntheses and Characterization of Chemically Flexible, Water-Soluble DithioBis(phosphine) Compounds: (HOH₂C)₂P(CH₂)₂S(CH₂)₃S(CH₂)₂P(CH₂OH)₂, (HOH₂C)₂PCH₂CH₂S(CH₂)₄SCH₂CH₂P(CH₂OH)₂, and (HOH₂C)₂PCH₂CH₂CH₂S(CH₂)₃SCH₂CH₂CH₂P(CH₂OH)₂. Systematic Investigation of the Effect of Exceptional kinetic propensity of hydroxymethyl phosphanes toward Rh(III) stabilization in water. *Inorganic Chemistry*, **1997**, 36, 2763-2769 5.1 25
- 95 [ReO₂(HOH₂C)₂P(CH₂)₂S(CH₂)₄S(CH₂)₂P(CH₂OH)₂]₂(ReO₄)₂, and [ReO₂(HOH₂C)₂P(CH₂)₂S(CH₂)₃S(CH₂)₃P(CH₂)₂OP(CH₂OH)₂]₂(ReO₄)₂. First Examples of Azaphosphanes as Efficient Electron Donors in the Chemical Architecture of Thermally Stable New Nonlinear Optical Materials. *Journal of the American Chemical Society*, **2002**, 124, 7276-7, 16.4 25
- 94 [ReO₂(HOH₂C)₂P(CH₂)₂S(CH₂)₃S(CH₂)₃P(CH₂)₂OP(CH₂OH)₂]₂(ReO₄)₂, and [ReO₂(HOH₂C)₂P(CH₂)₂S(CH₂)₃S(CH₂)₃P(CH₂)₂OP(CH₂OH)₂]₂(ReO₄)₂. First Examples of Azaphosphanes as Efficient Electron Donors in the Chemical Architecture of Thermally Stable New Nonlinear Optical Materials. *Chemistry of Materials*, **2002**, 14, 2436-2438 9.6 25
- 93 Two novel rhodium(I) metallacycles from the new heterodifunctional ligand Me₃SiN:PPh₂CH₂PPh₂. An example of the formation of a unique iminato nitrogen-rhodium sigma bond. *Organometallics*, **1988**, 7, 2236-2238 3.8 25
- 92 Application of phosphine and arsine-phosphoranimine backbones to the formation of early-late transition-metal bimetallics. Synthesis and characterization of new titanium-palladium frameworks: [cyclic]-(eta-5-C₅H₅)Cl₂TiN:PPh₂(CH₂)_xEPh₂PdCl₂ (x = 1, E = P; x = 2, E = As). *Organometallics*, **1991**, 10, 539-541 3.8 24
- 91 Laminin Receptor-Avid Nanotherapeutic EGCg-AuNPs as a Potential Alternative Therapeutic Approach to Prevent Restenosis. *International Journal of Molecular Sciences*, **2016**, 17, 316 6.3 24
- 90 Photothermal therapy mediated by gum Arabic-conjugated gold nanoparticles suppresses liver preneoplastic lesions in mice. *Journal of Photochemistry and Photobiology B: Biology*, **2016**, 163, 47-56 6.7 24
- 89 Synthesis and Coordination Chemistry of the First Water-Soluble Dithio-Bis(phosphine) Ligands [(HOH₂C)₂P(CH₂)₂S-X-S(CH₂)₂P(CH₂OH)₂] (X = (CH₂)₃ or C(6)H₄). X-ray Crystal Structure of [Pd(HOH₂C)₂P(CH₂)₂S(CH₂)₂(3)S(CH₂)₂P(CH₂OH)₂](Cl)₂(1). *Inorganic Chemistry*, **1997**, 36, 1766-1791 5.1 23
- 88 New heterocyclic compounds containing niobium and molybdenum; crystal structure of a cyclomolybdaphosphazene. *Journal of the Chemical Society Dalton Transactions*, **1987**, 847 23
- 87 Synthesis of new metallacycles of rhenium(VII) oxides: migration of trimethylsilyl group to form the cis-dioxo cyclometallaphosphoranimo phosphane NPPh₂CH₂PPh₂Re(O)₂(OSiMe₃)₂ and arsane NPPh₂(CH₂)₂AsPh₂Re(O)₂(OSiMe₃)₂. *Inorganic Chemistry*, **1989**, 28, 3033-3036 5.1 22
- 86 Transition Metal Chemistry of Main Group Hydrazides, 9. Platinum Complexes of Diphosphanylhydrazides R₂PN(Me)N(Me)PR₂ [PtCl₂ (R = OPh, o-OC₆H₄CH₂CH₂CH₂)]. *Chemische Berichte*, **1994**, 127, 1355-1357 21
- 85 Transition metal chemistry of main group hydrazides. 4. Phosphorus hydrazido ferrocenes as novel synthons to new iron(II)-palladium(II) heterotrimetallic organometallic compounds. Synthesis and characterization of palladium(II) chloride complexes of ferrocene functionalized phosphorus hydrazides. Single-crystal x-ray structures of C₂H₅OP(S)(NCH₃NCHCp'FeCp)₂ and C₂H₅OP(S)(NCH₃NCHCp'FeCp)₂.cntdot.PdCl₂ [Cp' = C₅H₄, C₅H₅]. *Organometallics*, **1994**, 13, 541-547 3.8 21

84	Renaissance of nuclear medicine through green nanotechnology: functionalized radioactive gold nanoparticles in cancer therapy journey from chemistry to saving human lives. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 309, 5-14	1.5	20
83	¹⁹⁸ Au-labeled hydroxymethyl phosphines as models for potential therapeutic pharmaceuticals. <i>Nuclear Medicine and Biology</i> , 1998 , 25, 577-83	2.1	20
82	Heteroatomic chelation of mixed phosphine (or arsine) and phosphine oxide ligands with rhenium(V). Synthesis, characterization, and x-ray structural investigations of new rhenium(V) metallacyclic compounds: (O)PPh ₂ (CH ₂) _n EPH ₂ Re(O)Cl ₃ (E = P, As). <i>Inorganic Chemistry</i> , 1992 , 31, 4231-4235	5.1	20
81	Prostate tumor therapy advances in nuclear medicine: green nanotechnology toward the design of tumor specific radioactive gold nanoparticles. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 318, 1737-1747	1.5	20
80	In vitro and in vivo characterization of novel water-soluble dithio-bisphosphine ^{99m} Tc complexes. <i>Nuclear Medicine and Biology</i> , 1997 , 24, 685-91	2.1	18
79	Syntheses, in vitro and in vivo characterization of a ^{99m} Tc-(I)-tricarbonyl-benzylamino-dihydroxymethyl phosphine (NP(2)) chelate. <i>Applied Radiation and Isotopes</i> , 2003 , 58, 543-9	1.7	17
78	Transition Metal Chemistry of Main Group Hydrazides. 5. Functionalization of Methylhydrazine With Alkyl/Alkoxy Groups and Aryl/Aryloxy-Substituted Phosphorus(V) Oxides and Sulfides. First Examples of Bidentate Interactions of R ₂ P(E)(NMeNH ₂) (R = OMe, OEt, OPh, Ph; E = S, O) with Pd(II). X-ray Structure of (MeO) ₂ P(S)NMeNH ₂ ·PdCl ₂ . <i>Inorganic Chemistry</i> , 1994 , 33, 1184-1187	5.1	17
77	Transition Metal Chemistry of Main Group Hydrazides. 7. Synthesis and Coordination Chemistry of Bis(dichlorophosphino)dimethylhydrazine. <i>Inorganic Chemistry</i> , 1994 , 33, 2695-2696	5.1	17
76	Studies of phosphazenes. Part 21. Associative and dissociative pathways in the aminolysis reactions of halogenocyclotriphosphazenes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1985 , 285		17
75	Synthesis and characterization of (^{99m} Tc- and (¹⁸⁸ Re)-complexes with a diamido-dihydroxymethylenephosphine-based bifunctional chelating agent (N(2)P(2)-BFCA). <i>Nuclear Medicine and Biology</i> , 2002 , 29, 83-9	2.1	16
74	High yields of nitrene insertion into unactivated C-H bonds. First example of X-ray crystallographic and 19F NMR analysis of the photochemically produced C-H inserted adduct. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1841-1842		16
73	Transition Metal Chemistry of Main Group Hydrazides. Part 3: Carboxylate Appended Phosphorus Hydrazides as Novel Functionalized Chelating Systems. Synthesis and Characterization of New Cyclometallaphosphohydrazides. X-ray Structure of a Palladium(II) Representative. <i>Inorganic Chemistry</i> , 1994 , 33, 731-744	5.1	14
72	Formation of spirocyclic imidophosphinato complexes: crystal structures of [V(OPPh ₂ NPPH ₂ O) ₂ O] and [Mo(NPPH ₂ NPPH ₂ O) ₂ Cl ₂]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 1285		14
71	Rearrangement of a phosphorus-carbon-phosphorus bridge to a phosphorus-nitrogen-phosphorus bridge via organogermanium- or organotin-assisted cleavage of a phosphorus-carbon bond. Crystal and molecular structure of the imine salt (CH ₃)Ph ₂ PNPPH ₂ (NH ₂)+Cl ⁻ . <i>Inorganic Chemistry</i> , 1991 , 30, 2631-2633	5.1	14
70	Green synthesis of gold nanoparticles using Acai berry and Elderberry extracts and investigation of their effect on prostate and pancreatic cancer cells. <i>Nanobiomedicine</i> , 2021 , 8, 1849543521995310	4.8	14
69	Tetradentate bis-phosphine ligands (P(2)N(2) and P(2)S(2)) and their Rh(III), Ni(II) and (¹⁰⁵ Rh) complexes: X-ray crystal structures of trans-[RhCl(2)(L ₂)]PF(6), [Ni(L ₂)](PF(6))(2) and EO(2)SO(2)-[Ni(L ₅)](2)(PF(6))(2). <i>Nuclear Medicine and Biology</i> , 2011 , 38, 63-76	2.1	13
68	New Vistas in Chemistry and Applications of Primary Phosphines. <i>Topics in Current Chemistry</i> , 2003 , 121-141		13
67	Unexpected nitrogen-oxygen exchange reactions in cyclic metallaphosphazenes; synthesis and X-ray crystal structures of [Mo(OPPh ₂ NHPPH ₂ O) ₂ O ₂ Cl ₂], [Mo(OPPh ₂ NPPH ₂ O) ₂ (O)Cl], and [Mo(OPPh ₂ NPPH ₂ O) ₂ O ₂]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990 , 2387-2392		13

66	Nanoparticles and phage display selected peptides for imaging and therapy of cancer. <i>Recent Results in Cancer Research</i> , 2013 , 194, 133-47	1.5	12
65	New advances in the synthesis of a water-soluble triphosphine and the development of tripodally coordinated rhodium(I) and platinum(II) complexes. <i>Chemical Communications</i> , 1996 , 2557	5.8	12
64	Different co-ordination modes of the new, water-soluble, triphosphine PhP[CH ₂ CH ₂ P(CH ₂ OH) ₂] ₂ with PtII, PdII, RhI and ReV. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 1365-1370		11
63	Phosphorus hydrazides as building blocks for potential photoaffinity labels. Synthesis and co-ordination chemistry of perfluoroaryl azide conjugates of phenylphosphonothioic dihydrazide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995 , 565		11
62	Organometallic Phosphinimines as Building Blocks for Potential New Radiopharmaceuticals. Synthesis, Structure and Reactivity of Ph ₃ P=NH ₂ +ReO ₄ ⁻ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1993 , 48, 1381-1385	1	11
61	Transition Metal Chemistry of Main Group Hydrazides. 8. A new Long-Chain Diphosphine with the PIII-N-N-PV-N-N-PIII Backbond as a Chelating Ligand for Molybdenum, Platinum, and Palladium. Crystal and Molecular Structures of cis-[Mo(CO) ₄ {PhP(S)[N(Me)NHP(i-Pr) ₂] ₂ }] and cis-[PtCl ₂ (P(O)Ph)(Me)NHP(i-Pr) ₂]. <i>Organometallics</i> , 1994 , 13, 2281-2294	3.8	11
60	Characterization of complexation reactions of mono- and bidentate-hydroxymethyl phosphine ligands with the organometallic ^{99m} Tc(I)(OH) ₂ (CO) ₃ ⁺ synthon. <i>Radiochimica Acta</i> , 2003 , 91, 53-58	1.9	10
59	Phosphinimine complexes of technetium(VII): X-ray crystal structure of [Ph ₃ P=NH ₂] ⁺ [TcO ₄] ⁻ 1. <i>Journal of Chemical Crystallography</i> , 1999 , 29, 39-43	0.5	10
58	Species-Specific in vitro and in vivo Evaluation of Toxicity of Silver Nanoparticles Stabilized with Gum Arabic Protein. <i>International Journal of Nanomedicine</i> , 2020 , 15, 7359-7376	7.3	10
57	Water-Soluble Chitosan Conjugated DOTA-Bombesin Peptide Capped Gold Nanoparticles as a Targeted Therapeutic Agent for Prostate Cancer. <i>Nanotechnology, Science and Applications</i> , 2021 , 14, 69-89	3.9	10
56	Heterobifunctional Phosphorus-Nitrogen Compounds: Iminophosphoranophosphines and Their Complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993 , 76, 9-12	1	9
55	New Nanomedicine Approaches Using Gold-thioguanine Nanoconjugates as Metallo-ligands. <i>Inorganica Chimica Acta</i> , 2011 , 372, 333-339	2.7	8
54	Synthesis and characterization of dioxorhenium complexes derived from water-soluble diphosphine tetraphosphonates. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996 , 4459		8
53	Nanoscale sensor design via in situ labeling of gold nanoparticles onto protein scaffolds. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 719-25	1.3	7
52	Cyclometallaphosphazenes - Synthetic and Structural Investigation of a New Class of Heterocyclic Compounds. <i>Phosphorous and Sulfur and the Related Elements</i> , 1987 , 30, 421-423		7
51	Estimation of tumor and local tissue dose in gold nanoparticles radiotherapy for prostate cancer. <i>Reports of Practical Oncology and Radiotherapy</i> , 2019 , 24, 288-293	1.5	6
50	Synthese des ersten Biokonjugats aus einem chelatisierenden Bisphosphan und einem Peptid ausgehend von einem neuartigen funktionalisierten Phosphor(III)-hydrid-Synthon. <i>Angewandte Chemie</i> , 1999 , 111, 2152-2155	3.6	6
49	Synthesis and Single-Crystal X-ray Investigation of 4-Azido-2-(triphenylphosphinimino)-3,5,6-trifluorobenzonitrile: A Chromogenic Nitrene Precursor for Photolabeling. <i>Inorganic Chemistry</i> , 1996 , 35, 3716-3718	5.1	6

48	Transition Metal Chemistry of Main Group Hydrazides, VI. New Directed Synthetic Strategies to Functionalized Heterocyclic Phosphorus(III) Hydrazides. First Examples of Crystal and Molecular Structures of $[RPN(Me)N(H)]_2$ (R = Et, Ph, and tBu). <i>Chemische Berichte</i> , 1994 , 127, 979-984		6
47	Bovine Serum Albumin Conjugated Gold-198 Nanoparticles as Model To Evaluate Damage Caused by Ionizing Radiation to Biomolecules. <i>ACS Applied Nano Materials</i> , 2018 , 1, 5062-5070	5.6	6
46	Green nanotechnology of MGF-AuNPs for immunomodulatory intervention in prostate cancer therapy. <i>Scientific Reports</i> , 2021 , 11, 16797	4.9	6
45	Unprecedented rhodium-mediated catalytic transfer hydrogenation of a phosphonate functionalized olefin in ecofriendly media. <i>Inorganica Chimica Acta</i> , 2004 , 357, 2933-2938	2.7	5
44	Synthese und Struktur des ersten Cyclophosphazens mit einer Metall-Metall-Bindung im Ringgerüst / Synthesis and Structure of the First Cyclophosphazene Containing a Metal-Metal Bond within the Ring Skeleton. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1987 , 42, 1387-1390	1	5
43	Targeted Phytochemical-Conjugated Gold Nanoparticles in Cancer Treatment. <i>Ecoproduction</i> , 2019 , 37-52.5		5
42	Phosphinimines as selective extractants for Tc-99 pertechnetate. <i>Radiochimica Acta</i> , 2008 , 96,	1.9	4
41	Fluorescent phosphinimine as possible precursor to an anionic and fluorescent sensor for Tc-99. <i>Radiochimica Acta</i> , 2008 , 96, 835-844	1.9	4
40	Transition Metal Chemistry of Main Group Hydrazides. Part 11. Synthesis and Coordination Chemistry of Novel Tetraphosphino Phosphorinanes. X-ray Crystal Structure of $[\{W(CO)_4\}_2\{\mu\text{-}[PhPN(Me)N(P(OCH_2CF_3)_2)]_2\}]$. <i>Inorganic Chemistry</i> , 1995 , 34, 1273-1277	5.1	4
39	Applications of Functionalized Azaphosphanes as Novel Scavenging Agents for TcO_4^- . <i>Radiochimica Acta</i> , 1994 , 66-67, 129-132	1.9	4
38	Nanoradiopharmaceuticals Based on Alpha Emitters: Recent Developments for Medical Applications. <i>Pharmaceutics</i> , 2021 , 13,	6.4	4
37	Sustainable Nanotechnology: Mycotoxin Detection and Protection. <i>Nanotechnology in the Life Sciences</i> , 2018 , 323-349	1.1	3
36	CHAPTER 6: Green Nanotechnology as Sustainable Approach in the Nanorevolution. <i>RSC Green Chemistry</i> , 2012 , 144-156	0.9	3
35	1,2-Bis(Dichlorophosphino)-1,2-Dimethylhydrazine and Alkoxy/Aryloxy Derivatives. <i>Inorganic Syntheses</i> , 2007 , 132-136		3
34	New Phosphorus Chemistry Leads to Unnatural Aminoacid Trimers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002 , 177, 1587-1589	1	3
33	Construction of Water-Soluble Phosphines, New Advances in Aqueous Organometallic Chemistry. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 144, 461-464	1	3
32	Transition metal chemistry of main group hydrazides, Part 14: Evaluation of new Tc-99m chelates of thiol functionalized phosphorus hydrazides. <i>Nuclear Medicine and Biology</i> , 1995 , 22, 849-57	2.1	3
31	KINETICS OF THE AMINOLYSIS REACTIONS OF CHLOROCYCLOTRIPHOSPHAZENES: CHANGE OVER FROM A $SN_2(P)$ TO A $SN_1(P)$ MECHANISM. <i>Phosphorous and Sulfur and the Related Elements</i> , 1983 , 14, 157-159		3

30	Bombesin Peptide Conjugated Water-Soluble Chitosan Gallate-A New Nanopharmaceutical Architecture for the Rapid One-Pot Synthesis of Prostate Tumor Targeted Gold Nanoparticles. <i>International Journal of Nanomedicine</i> , 2021 , 16, 6957-6981	7.3	3
29	CTHRSSVVC Peptide as a Possible Early Molecular Imaging Target for Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	3
28	dosimetry of low-dose rate brachytherapy using radioactive nanoparticles. <i>Physics in Medicine and Biology</i> , 2020 ,	3.8	3
27	Bifunctional Chelation Systems Based on Hydroxymethyl Phosphine-Based Donor Groups. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 144, 489-492	1	2
26	Transition Metal Chemistry of Main Group Hydrazides. 17. Triphosphine derived from phosphanyl hydrazide as a building block for hetero trimetallic compounds. Synthesis and coordination chemistry of ((Me ₂ P) ₂ N?N(Me)(PMe ₂)). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1995 , 621, 1939-1942	1.3	2
25	Synthesis and characterization of a neutral and lipophilic Ph ₃ PN ^{99m} TcO ₃ complex. <i>Applied Radiation and Isotopes</i> , 1995 , 46, 53-58	1.7	2
24	Synthesis and characterization of phosphinimine-substituted trifluoro- or trichloro-p-benzoquinones and their cationic Rh(I) complexes. The crystal and molecular structure of 3,5,6-trichloro-2-(triphenylphosphinimino)-p-benzoquinone. <i>Canadian Journal of Chemistry</i> , 1996 , 74, 2378-2385	0.9	2
23	Generation of Gd(OCOCF ₃) ₃ .3H ₂ O from the Water Catalyzed Reaction of Gd Metal with CF ₃ COOH. X-Ray Crystal Structure of Gd(OCOCF ₃) ₃ .3H ₂ O. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1996 , 26, 349-355		2
22	The Potential of Phosphinimines as Building Blocks for a New Generation of Radiopharmaceuticals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993 , 75, 55-58	1	2
21	Targeted Gold Nanoparticles for Imaging and Therapy		173-189
20	Rhodium-105 Complexes of Polydentate, Aqueous-Soluble, Phosphine Ligands: New Radiochemical Developments towards Radioimmunotherapy. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 144, 481-484	1	1
19	New Inorganic and Organometallic Heterocyclic Compounds Derived From Novel Heterodifunctional Phosphorus-Nitrogen Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1989 , 41, 43-50	1	1
18	Studies of phosphazenes. XIX. New polyorganophosphazenes derived from the Friedel-Crafts reactions of hexa(aryloxy)cyclotriphosphazenes with polyhaloalkanes. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1984 , 22, 3115-3128		1
17	Friedel-Crafts reaction of (aryloxy)cyclotriphosphazenes with halomethanes: Formation of new crosslinked polymers. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1982 , 20, 647-651		1
16	Green nanotechnology		2020, 155-188
15	The Activity of Gold Nanoparticles Synthesized Using Against Biofilms. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 675064	5.7	1
14	Green nanotechnology An innovative pathway towards biocompatible and medically relevant gold nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 70, 103256	4.5	1
13	IAEA Contribution to Nanosized Targeted Radiopharmaceuticals for Drug Delivery. <i>Pharmaceutics</i> , 2022 , 14, 1060	6.4	1

12	Cyclometallaphosphiniminatopxosphane (and Arsane) Complexes of Early and Late Transition Metals Derived from Novel Heterodifunctional Phosphorus and Arsenic Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1990 , 49-50, 467-470	1	0
11	STUDIES OF PHOSPHAZENES PART XXVI: BI(CYCLOPHOSPHAZENES) CONTAINING A P[σ]O[σ]P BRIDGE. <i>Phosphorous and Sulfur and the Related Elements</i> , 1985 , 25, 167-171		0
10	Novel Green Chemistry in the Phosphonate Assisted Catalytic Hydrogenation of Olefins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002 , 177, 1951-1951	1	
9	Methyl hydrazine as a building block for a bridge between phosphinoamine [R ₂ P σ (R)BR ₂] and phosphorus hydrazide [R ₂ P σ (R)N(R)BR ₂]. Synthesis and coordination chemistry of a novel triphosphine [(Me ₂ P) ₂ N σ (Me)(PMe ₂)]. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 317-318		
8	New Directions in the Development of Water-Soluble Phosphines and Transition Metal Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1996 , 111, 56-56	1	
7	Applications of Functionalized Azaphosphanes as Novel Scavenging Agents for TcO ₄ ⁻ . <i>Radiochimica Acta</i> , 1994 , 66-67, 129-132	1.9	
6	A new ^{99m} Tc-complex with a germanium-hydrazide (GeTH) ligand. <i>Nuclear Medicine and Biology</i> , 1994 , 21, 1115-8	2.1	
5	Methylene Bridged P(III) and P (V) Phosphiniminato-Phosphanes: Versatile Ligands And Substituents for Metals and Metalloids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1990 , 51, 357-357	1	
4	Formylation of functionalized P-H bonds [A novel approach to the design of synthons for use in biomedicine. <i>Journal of Chemical Sciences</i> , 1999 , 111, 425-436	1.8	
3	Dual-Targeted Therapy and Molecular Imaging with Radiolabeled Nanoparticles. <i>Ecoproduction</i> , 2019 , 201-219	0.5	
2	Silver nanoparticles applications and ecotoxicology for controlling mycotoxins 2021 , 549-575		
1	Fabrication of Green Nanomaterials: Biomedical Applications and Ecotoxicology 2022 , 1-24		