

Number	Title	Surname	First name
S1_01	Polyplexes: the role of uncomplexed polymer chains and surface decoration in gene expression performance	Albuquerque	Lindomar
S1_02	Exploitation of 3-hexylthio-1-(prop-2-yn-1-yl) maleimide [2+2] photocycloaddition property in polymer conjugation	Aljuaid	Mohammed
S1_03	Block copolymer based nanoplasmonic surfaces	Alvarez-fernandez	Alberto
S1_04	Synthesis, characterization and self-assembly of responsive poly(ethylene oxide)-b-poly(l-histidine) copolymers for drug encapsulation and control drug release	Athanasidou	Barbara
S1_05	Synthesis of macroporous polymers by emulsion templated step-growth polymerization.	Barbara	Imane
S1_06	Nanopores modification using alkyloxazolines for active filters	Benaoudia	Dhia
S1_07	Reversible addition-fragmentation chain-transfer (RAFT) of ethylene under mild conditions: synthesis of polar-apolar copolymer	Bergerbit	Cedric
S1_08	Fluorescent polymethacrylate nanoparticles for plant cell research	Bielas	Rafal
S1_09	Photochemically induced ATRP polymerization of acrylates in the presence of oxygen: effect of solvent, irradiation characteristics and ligand(s)	Bondarev	Dmitrij
S1_10	Unexpected synthesis of segmented poly(hydroxyurea-urethane)s from dicyclic carbonates and diamines using organocatalysis	Bossion	Amaury
S1_11	Full polysaccharide amphiphiles as stimuli responsive nanomaterials	Breitenbach	Benjamin
S1_12	Varying ligands for palladium-catalysed stille coupling polymerisation for donor-acceptor polymeric solar cells (pscs)	Chang	Yujing
S1_13	Poly(fumaric acid) as binder for silicon-based lithium-ion electrodes	Chartrel	Thibaut
S1_14	Ring-opening polymerization of tulipaline a and epsilon-caprolactone	Danko	Martin
S1_15	Controlled synthesis of aqueous dispersions of molecularly imprinted polymer colloids for the detection of emergent micropollutant	Decompte	Emile
S1_16	Chemoselective synthesis and properties of sequence-defined poly(triazole amide)s	Fiers	Guillaume
S1_17	Synthesis and development of supported complexing agent for water disinfection	Fontaine	Lucas
S1_18	Bis-vanillin substrates as source of pi-conjugated polymers for organic electronic	Giraud	Lauriane
S1_19	Step growth and segmented block copolymers by photochemically induced reactions	Goldmann	Anja
S1_20	Synthesis of a functionalized dendrimer-like polyester	Jagu	Romain
S1_21	Direct laser writing via two-photon polymerization: new approaches in the fabrication of active 3D photonic devices	Kabouraki	Elmina
S1_22	Molecular engineering of PCL/CNF bio-nanocomposite interface for improved performance	Kaldeus	Tahani
S1_23	Hydroxamic acid-functionalized polymers for metal chelation obtained by radical polymerization	Keth	Jennifer
S1_24	Co-polypeptide films crosslinked via triazolinedione chemistry	Kimmins	Scott
S1_25	Poly(ethylene glycol)-dibromomalimide as a stabiliser for volatile sulfur compounds	Kirby	Gavin
S1_26	Acidified chitosan with inorganic additives for wound healing and hemostatic properties	Koumentakou	Ioanna
S1_27	Investigating the structure-property relationship of donor-acceptor polymers in organic solar cells	Lawton	Samuel
S1_28	Copper-mediated photo-induced controlled radical polymerization: facile synthesis of semi-fluorinated block copolymers	Li	Yongguang
S1_29	Stimuli-responsive carboxylic acid functional poly(propylene oxide)	Linker	Olga
S1_30	Sustainable synthesis of biobased recyclable thermosets	Loser	Pia Simone
S1_31	High pressure raft in the synthesis of tailored imidazolium-based pils. Unique opportunity to test relationship between rigidity of the polymer backbone, molecular weight and conductivity	Maksym	Paulina
S1_32	Stimuli responsive hydrogel nanoparticles embedded in chitosan matrix for controlled release of ketoprofen	Martins Dos Santos	Amilton
S1_33	Sustainable innovations from ideas to world-scale polymer production	Meine	Niklas
S1_34	Biodegradable PLA/PPAD blends for microencapsulation of risperidone	Nanaki	Stavroula
S1_35	Molecularly imprinted polymer nanoparticles for environment and health	Nerantzaki	Maria
S1_36	Detailed study of DBU/CO2 switchable solvent for cellulose solubilization and derivatization	Onwukamike	Kelechukwu
S1_37	Chain extension utilizing SF free RAFT and catalytic chain transfer polymerization	Patias	Georgios
S1_38	A photo-activated drug delivery system based on an unusual electron transfer sensitization process	Psarrou	Maria
S1_39	Termination kinetics of radical copolymerizations studied by SP-PLP-EPR	Riemann	Lara
S1_40	Top-down fabrication of micro & nanostructured conducting polymers	Sanaur	Sébastien
S1_41	Polymersomes for biodetoxification applications	Schmidt	Aaron Christoph
S1_42	Sequential dual curing: versatility in processing and thermosets characteristics	Serra	Angels
S1_43	Structure-function dependence of ferroelectric p(VDF-TRFE) films	Spampinato	Nicoletta
S1_44	Visible light-induced emulsion photopolymerization of methyl methacrylate and access to hybrid particles	Subervie	Daniel
S1_45	An anisotropic coarse-grained model of cis-polybutadiene as obtained by a bottom-up approach	Tanis	Ioannis
S1_46	Synthesis of 2,5-diketopiperazine-polymer conjugates	Tezgel	Ozgul
S1_47	Metal mediated polymerization with pentadentate cobalt complexes.	Thevenin	Lucas
S1_48	Ethylene-co-norbornene copolymerization in the presence of a chain transfer agent	Tritto	Incoronata
S1_49	Simultaneous interpenetrating polymer networks as the precursors to porous polymeric materials	Utroza	Petra
S1_50	A new kind of photo-crosslinked and pH sensitive polymersomes	Wang	Xueyi
S1_51	Monodisperse, sequence-defined macrocycles via passerini three-component reactions	Wetzel	Katharina

Number	Title	Surname	First name
S2_01	Biomaterials based on polyesters and cellulose nanoparticles from lignocellulosic biomass	Amaral	Heliane
S2_02	Fast temperature screening of viscosity of thermoresponsive polymers with microfluid device	Amiar	Thanina
S2_03	Vinyl acetate copolymers with functional trialkoxysilanes	Barquero	Aitor
S2_04	Benzoxazine-functionalized graphene oxide for synthesis of new nanocomposites	Biru	Elena Iuliana
S2_05	Polyphenylenediamines: various functional materials	Blaha	Michal
S2_06	Well-defined multi-amino-functional and stimuli-responsive poly(propylene oxide) by crown ether assisted anionic ring-opening polymerization	Blankenburg	Jan
S2_07	Cationic polymerization and network formation of vinyl ether monomers made with lipase catalysis	Brannstrom	Sara
S2_08	Controlling surface properties of polymersome membranes with light	Caire Da Silva	Lucas
S2_09	Amino acids as building blocks to tune the architecture and microstructure of macromolecules	Chan-Seng	Delphine
S2_10	In silico copolymerization of linear and network polymer systems	Chertovich	Alexander
S2_11	Thermoreversible crystallization-driven aggregation of block copolymer nanoparticles	Derry	Matthew
S2_12	The E-factor in the synthesis of green acrylates	Droesbeke	Martijn
S2_13	Glyco-nanostructures formulation using photo-polymerization induced self assembly	Ferji	Khalid
S2_14	Versatile cobalt and iron complexes for both radical and ring-opening polymerization catalysis	Fliedel	Christophe
S2_15	Synthesis of surfactant-free poly(vinylidene fluoride) latexes via RAFT emulsion polymerization	Fuentes	Mathieu
S2_16	Polycarbosilane-based block copolymers for thin film nanotechnologies	Gomes Correia	Cindy
S2_17	Biodegradable amphiphilic multi-arm block copolymers based on hyperbranched polyester 2.2-bis(methylol)propionic acid, L-lactide and ethylene oxide	Gomzyak	Vitaly
S2_18	Hydroxamic acid functional polyethers	Johann	Tobias
S2_19	Functional porous polymers for environmental and energy applications	Kaliva	Maria
S2_20	Sequence-coded polyurethane barcodes for anti-counterfeit use	Karamessini	Denise
S2_21	Yttrium catalysts for ring-opening (co)polymerization of cyclic esters	Kiriratnikom	Jiraya
S2_22	Poly(vinyl alcohol)-poly(gamma-glutamate) blend hydrogel crosslinked with Ti derivative for the application of bio-lubrication and non-biofouling surface	Kobayashi	Hisatoshi
S2_23	Thermoresponsive peptide-polymer conjugates via thio-bromo click reaction	Kumar	Sonu
S2_24	Hydrogen/deuterium exchange for kinetic studies of supramolecular polymers in water	Lafleur	René
S2_25	Synthesis and characterisation of new modified chitosan hydrogels as drug delivery systems	Lazaridou	Maria
S2_26	Rational design of polymersomes with controlled size and membrane properties: control of cell interaction and internalization	Lebleu	Coralie
S2_27	Novel sequential ethene/1-pentene copolymers from single site catalysts	Losio	Simona
S2_28	Non-isocyanate bio-based polyurethanes through reactive extrusion	Magliozzi	Fiona
S2_29	Towards long-range ordered sub-10 nm carbohydrate triblock copolymer thin films	Majoinen	Johanna
S2_30	A new manganese-containing RAFT agent	Manoury	Eric
S2_31	Increasing the antimicrobial activity of amphiphilic cationic copolymers by the facile synthesis of high molecular weight stars	Mendonça	Patricia
S2_32	Poly(malic acid)-budesonide nanoprodrugs for lung administration	Moine	Laurence
S2_33	Polypeptide scaffolds for cartilage tissue engineering	O'brien	Shona
S2_34	Synthesis of azide-terminated polyethers with tetrabutylammonium azide for generating pure rings	Ochs	Jordan
S2_35	Light-responsive polymer-based drug delivery systems	Oikonomou	Vassilis
S2_36	Influence of monomer distribution on the cellular uptake of copolymers	Peltier	Raoul
S2_37	A cell-instructive photoresist for directing tissue growth in 4D	Qin	Xiao-Hua
S2_38	Cardanol and its derivatives: promising candidates for the compatibilization of pla/abs immiscible blends	Rigoussen	Alan
S2_39	Chemoselective post-modifications of precision polypeptides towards synthetic glycoconjugates	Rosselin	Marie
S2_40	Detecting bond breakage and fracture in tough hydrogels using mechanoluminescence	Sanoja	Gabriel
S2_41	Morphological aspects highlighted by SANS of PEMS doped with different fullerenes	Schiavone	Maria Maddalena
S2_42	Hydrogen bonded silicone rubber: importance of supramolecular interactions on chains dynamics	Simonin	Léo
S2_43	Synthesis of new reactive oxygen species (ROS) responsive polymersomes for cancer targeted drug delivery	Sincari	Vladimir
S2_44	Combining uretdione and disulfide reversibly degradable polyurethanes : a novel route to alternating block copolymers	Summers	Christopher
S2_45	Crystallization and thermal properties of in-situ synthesized PCL/nanobioglass composites	Terzopoulou	Zoi
S2_46	Bio-based antifouling/antimicrobial coatings prepared from natural rubber oligomers	Tran	Thi Nguyet
S2_47	Synthesis of polymeric graphitic Carbon Nitride-TiO2 hybrids for enhanced photocatalytic performance in the visible light	Vasilaki	Evangelia
S2_48	Photoinitiator-free photopolymerization of an acrylate-bismaleimide ink	Wagner	Annika
S2_49	Conjugated polymers/carbon nanotubes hybrids for water sensing	Wang	Xin-Yang
S2_50	Formation and polymerization of pickering emulsions stabilized by modified cellulose nanocrystals	Werner	Arthur
S2_51	Chain walking polymerization of alpha-olefins by diimine Ni(ii) complexes	Zanchin	Giorgia

Number	Title	Surname	First name
S3_01	Improved photoresists for high-throughput, low-threshold two-photon polymerization	Arnoux	Caroline
S3_02	Catalytic chain transfer polymerisation for the design of novel functional polymers	Atkins	Christopher
S3_03	Bio-based latexes for development of sustainable pressure sensitive adhesives	Badia	Rodrigo
S3_04	Polymersomes of pH- and redox-responsive amphiphilic polyethers	Becker	Eyleen
S3_05	Biobased polyesters from limonene oxide and anhydrides	Boggioni	Laura
S3_06	Oxime-based alkoxydes catalyzed moisture-curing of silyl modified polymers in adhesives and sealants	Boris	Colin
S3_07	Elaboration of lignin-based thermoplastic materials	Brisse	Julien
S3_08	Synthesis and polymerization of vinylcyclopropanes bearing urethane groups for the development of low-shrinkage composites	Catel	Yohann
S3_09	From tetra-component monomer feedstocks to pentablock copolymers using 'switchable' catalysis	Chen	Thomas
S3_10	Novel magnetic nanoparticles of biodegradable and biocompatible copolymers loaded with taxol for local chemotherapy	Christodoulou	Evi
S3_11	Multivalent and multifunctional polysaccharide-based particles for controlled receptor recognition	Duan	Hoahao
S3_12	Pressure and confinement as universal and eco-friendly catalysts for ring opening polymerization of caprolactone.	Dzienia	Andrzej
S3_13	Cleavable PEG-copolymers for degradable hydrogels	Ewald	Johannes
S3_14	Coacervation vs. Aggregation: distinct polyelectrolyte complexation signatures as seen by stopped-flow light scattering	Giermanska	Joanna
S3_15	Flexible electronics: from synthesis to processing of organic conductive inks	Glasser	Alizée
S3_16	Sara atp of biorelevant monomers in the presence of sodium dithionite and reduced concentrations of copper catalyst	Gois	Joan Rita
S3_17	One-pot sequential ring-opening polymerization of cyclic esters/carbonates and N-carboxyanhydrides	Gradizar	Spela
S3_18	Preparation of polymer-coated iron oxide nanoparticles for chemiresistors	Holos	Ana
S3_19	Synthesis of new fully biobased random copolyesters: poly(hexamethylene-co-isosorbide 2,5-furandicarboxylate)	Kasmi	Nejib
S3_20	Doping poly(3-hexylthiophene) - in search of new materials for oxygen/nitrogen gas separation	Kepska	Kinga
S3_21	Delivery of anticancer drugs: nanoparticles from dimethylmalic acid based block copolymers as biocompatible and biodegradable carriers.	Khalil	Ali
S3_22	Thermo- and redox-responsive amphiphilic block copolymers as diagnostic and theranostic contrast agent fo 19F - magnetic resonance imaging (MRI)	Kolouchova	Kristana
S3_23	Phosphoramidite chemistry: a versatile platform for synthesis of sequence-defined functional polymers	Konig	Niklas Felix
S3_24	Graphitic carbon nitride reinforced hydrogels with adjustable mechanical properties	Kumru	Baris
S3_25	Non-ionic aliphatic polycarbonate-surfactants: synthesis from carbon dioxide, butene oxide and PEG	Kunze	Lena
S3_26	Ring-opening metathesis polymerization-induced self-assembly (ROMPISA)	Le	Dao
S3_27	Test of the radical-like polymerization scheme in molecular dynamics on the structural and dynamical properties of polymers	Lemarchand	Claire
S3_28	Sulfonated styrene / n-acylglycerol copolymers as heterogeneous catalyst for esterification reactions	Machado	Fabricio
S3_29	The synthesis of unsaturated amphiphilic macromonomers and their applications in block copolymer formation	Marathianos	Arkadios
S3_30	New functionalized fatty acid-based comb polyesters as oil additives: behaviour in solution and structure-properties relationship investigation	Meheust	Helène
S3_31	Novel organocatalysts towards metal-free random-like copolymers of I-Ia and ε-cl	Mezzasalma	Leila
S3_32	Antimicrobial poly(guanylureas)	Moon	Joong ho
S3_33	Alkyl and fluoroalkyl manganese pentacarbonyl complexes as models of OMRP dormant species	Morales Cerrada	Roberto
S3_34	New biopolymer binders for lithium ion batteries	Ndour	Mariama
S3_35	Interrupted cuaac ligation: an efficient approach to fluorescence labeled three-armed mikto star polymers	Offenloch	Janin Tanja
S3_36	Production of carbon foams from calcium lignosulfonate by pyrolysis and their use in the microencapsulation of phase change materials	Palazzolo	Martin
S3_37	A comparative study of photolatent organic catalysts for delayed ring opening polymerization	Placet	Emeline
S3_38	Improvement of thermoelectric properties of hybrid polymer/silicon devices	Prunet	Geoffrey
S3_39	Lipopepsomes as a robust nanoplatform for highly efficient encapsulation and tumor-targeted delivery of doxorubicin hydrochloride in vivo	Qiu	Min
S3_40	Synthesis of polymer polystyrene suspensions with a narrow particle size distribution in the presence of polyalkyleneglycols with different molecular weights.	Satskevich	Olga
S3_41	Controlled radical (co)polymerisation of allylic- and vinylic monomers originating from renewable resources	Scholten	Philip
S3_42	Increasing the industrial viability of nitroxide mediated polymerization	Simula	Alexandre
S3_43	Synthesis of poly(ethylene oxide)-b-poly(L-histidine-co-L-alanine) diblock tripolymers and study of the influence of L-alanine in the aggregation and secondary structure	Stavroulaki	Dimitra
S3_44	Synthesis and film film formation of linear poly(glycidyl carbamate) oligomers from glycerol derived monomers	Taing	Guillaume
S3_45	Biotin-neutravidin mediated immobilization of polymer nanoparticles on T lymphocytes for cell-mediated drug delivery	Thomsen	Tanja
S3_46	Radical copolymerization of vinyl ethers and cyclic ketene acetals as a platform to prepare degradable nanoparticles for drug delivery applications	Tran	Johanna
S3_47	The capillary rise method: a new evaluation procedure for soluble polymeric powders	Unal	Derya
S3_48	Non-covalent PEG hydrogels formed by hydrophobic crystalline domains in triblock copolymers	Verkoyen	Patrick
S3_49	Organocatalytic ring-opening copolymerization of trimethylene carbonate and dithiolane trimethylene carbonate	Wei	Jingjing
S3_50	Anion-reactive imidazolium-based PILs and related self-assembled block copolymers as precursors of poly(N-heterocyclic carbene)s for a use in catalysis	Wirocius	Anne-laure
S3_51	Synthesis and self-assembly of stimuli-responsive elastin-like polypeptide-b-polysaccharide block copolymers	Xiao	Ye

Number	Title	Surname	First name
S4_01	Design of polymeric nanoparticles for drug delivery applications	Asem	Heba
S4_02	Critical comparison of block and gradient amphiphilic copolymers for biomedical use	Babuka	David
S4_03	The organocatalytic ring-opening polymerization of N-tosyl aziridines using functional initiators by N-heterocyclic carbenes	Bakkali-hassani	Camille
S4_04	Polymeric materials for 3D printing of biodegradable medical devices	Bao	Yinyin
S4_05	Light-responsive polymersomes for spatially and temporally controlled release	Beauté	Louis
S4_06	Self-assembled liquid-crystalline single-ion conductors for lithium battery electrolytes	Bernard	Laurent
S4_07	New photoinitiating systems for polymerization of methacrylates upon NIR light: a unique access to composites	Bonardi	Aude-Heloise
S4_08	Synthesis of novel bis-tad crosslinked amphiphilic poly(peptide-peptoid) nanostructures	Brannigan	Ruairi
S4_09	Electrospinning of unsaturated poly(macrolactone)s under in-situ UV-crosslinking for the design of robust biomedical scaffolds	Cabral Sales De Oliveira	Fernando
S4_10	Bioartificial polypeptide conjugates: post-modification of L-lysine peptide via ADMET polymerization	Canalp	Merve Basak
S4_11	Insights into the stability of a silica-grafted hydrophilic polymer brush in water.	Chambon	Lucille
S4_12	Poly(globalide) functionalization with phosphoester groups for production of electrospun fibers	Chiaradia	Viviane
S4_13	Hyperbranched water soluble fluorinated polymer as a new probe for ¹⁹ F magnetic resonance imaging	Couturaud	Benoit
S4_14	Strategies for limiting degradation in Li4Ti5O12 based lithium-ion batteries by using hybrid-polymer particles	Daigle	Jean-Christophe
S4_15	Synthesis of hybrid polyhydroxyurethanes by Michael addition	Ecochard	Yvan
S4_16	Synthesis of nanostructured latexes via mini-emulsion polymerisation in aqueous media leading to water-resistant hydrophobic films	Farroux	Maisa
S4_17	Synthesis and self-assembly of block amphiphilic copolymers poly(dimethylsiloxane)-b-poly(ethylene oxide) for the development of hybrid polymer/lipid vesicles	Fauquignon	Martin
S4_18	New hydrophilic shells for amphiphilic core-cross-linked micelles and nanogels	Gayet	Florence
S4_19	Acid-sensitive long-chain poly(ortho ester)s by metathesis polymerization	Haider	Tobias
S4_20	Ethylene radical polymerization in scCO ₂ : from a reaction medium to a functionalization agent.	Hmayed	Ali Al Rida
S4_21	Supramolecular assembly of norbornenyl-based block copolymers	Hwang	Eun young
S4_22	Controlling the molar mass of hyperbranched poly(ethylene oxide) via slow monomer addition	Kaiser	Tobias
S4_23	Surface modification of upconversion nanoparticles with enzymatically degradable hyperbranched polymers	Kavand	Alireza
S4_24	Facile hydrogel coatings for silicone-based biomaterials	Keskin	Damla
S4_25	Novel contact-active bactericidal polymer surfaces	Koufakis	Eleftherios
S4_26	Sequence control as a powerful tool for improving the selectivity of antimicrobial polymers	Kuroki	Agnes
S4_27	One-pot ROP switch-ROCCOP, an efficient way to produce tunable sequence defined polylactone and poly(propylene fumarate) block copolymers	Le Fer	Gaelle
S4_28	Block copolymer-mediated synthesis of bimetallic Janus nanostructures	Lim	Dong Woo
S4_29	Preparation and characterization of epoxidized vegetable oil based structural bio-composites for renewable wind energy	Mahendran	Arunjunai Raj
S4_30	Ampholytic pH-responsive micelles for non-viral DNA delivery	Martin	Liam
S4_31	Synthesis of amphiphilic poly(caprolactone)-b-poly(N-vinylcaprolactam) block copolymers via the combination of RAFT/MADIX and ring-opening polymerizations	Medeiros	Simone
S4_32	Spin fluorescence silencing: a powerful tool for imaging molecular release	Mutlu	Hatice
S4_33	Thermo- and pH-sensitive microgels on the base of interpenetrating networks	Nasimova	Irina
S4_34	One step prepared flexible, durable and unconditioned superoleophobic/ superhydrophilic surfaces	Pan	Yunlu
S4_35	Photoinitiator-free two-photon polymerization of gelatin methacrylamide	Parkatze	Kostas
S4_36	Synthesis and characterization of a super active ATRP catalyst	Ribelli	Thomas
S4_37	Mesoscopic structure of semi-crystalline vitrimers: the curious case of polyethylene	Ricarte	Ralm
S4_38	Hemicelluloses as a source of xylan-based building-blocks for functional biomaterials	Rosselgong	Julien
S4_39	Optimizing Schwann cell migration using topographic and haptotactic cues to improve nerve regeneration	Savariau	Laura
S4_40	Nano-FTIR: chemical identification of polymers at the nanometer scale chemical mapping	Schaefer	Philip
S4_41	Structure and shape-memory properties of biodegradable copolymers based on L-lactide and caprolactone	Sedush	Nikita
S4_42	(AB) _n multiblock polymers: tapered and non-tapered systems up to 10 blocks based on styrene and isoprene	Steube	Marvin
S4_43	Responsive polymeric arsenical nanoparticles	Tanaka	Joji
S4_44	Towards materials applications of polyimides generated by hydrothermal polymerization	Taublaender	Michael Josef
S4_45	Copolymers of propylene and higher alpha-olefins: potential and limitations for commercial use	Tranninger	Cornelia
S4_46	Nanocapsules with functional polymer corona produced by microbial cell factories.	Tribet	Christophe
S4_47	Multimodal sensing polymer transistors for cell and microorganism monitoring	Villarroel Marquez	Ariana
S4_48	Heterotelechelic polymer prodrug nanoparticles for anticancer therapy	Vinciguerra	Daniele
S4_49	Exploiting catalytic chain transfer polymerisation for the synthesis of carboxylated latexes via sulfur free RAFT	Wemyss	Alan
S4_50	Liposomes coated with HEMA-based copolymer: formation and characterization of structure	Zaborova	Olga