George R. Briggs

Abstract: 50 of my short publications as of september 4, 2019 were found to be of 4 levels of importance: (I note that 50 is a magic number of physics).

ViXra Pub. Importance
-105 1907.0623 1 up qks 4.8 and elec. neut. $2.2 \times 10^{\wedge}-6$ arose 2 nd univ.
1041907.06201 the MHCE8S model of physics
1001906.057624 dimensionless const. are of importance
991906.02842 strong force in MHCE8S determines final ho value
981906.013624 nos. with digits 1 and 5 are of importance
-97 1905.06061 nos. 4 and 8 are very important in my universe theory
961905.04241 heavy neutrino gives accurate critical ferm. mass

95 1905.0227 1 heavy neutrino overlooked giving falsely low ho value
941904.05871 the factor 1.0000055 is needed for hadronization
921904.01701 bekenstein 3rd cyclic univ. produc. energy for 4th univ.
-89 1903.0301 1 the most accurate neutron mass calculation
881903.01431 const. 273.55488 gives two new quarks for neutrons 871902.04981 mass neutron reviewed: role of 2 new quarks.
861902.02531 flow diagram peculiar $Z$ phenon. and one new quark

85 1901.0466 1 holo and MHCE8S: import. crit. den., galaxy count -83 1812.04871 critical ferm. den. univ. revisited: role holography
821812.02641 superfast cosmophoton enables us to contact center of our galaxy in $0.6 \times 10^{\wedge}-4 \mathrm{sec}$
$78 \quad 1810.05071$ signifcance broken and unbroken E8 sym. time gaps
$77 \quad 1810.02241$ finishing touches applied to MHCE8S universe theory
731808.01681 calc. mass of neutron in better way with HCE8S theory
-62 1803.07091 signif. charm $\mathrm{qk} /$ strange qk ratio for HCE8S univ.
611803.02101 revised and impro. flow diag. for an HCE8S univ.
571712.04551 role charm and strange qks in holo. cyclic E8 univ.
561711.04551 dark neutrinos exist: arise from dark tau-antitau entity

54 1710.0341 1 Feynman's magic \# alpha explained by holo. cyclic univ.
-52 1708.04841 thanks bekenstein hologr. collapse cyclic universe avoid
47 1704.0404 1 Hubble value shows matter density > 1 Hyd. atom/M^3 411612.03661 m -sigma resolved: negative supermassive black holes came followed by positive mass
401611.03014 susy particles are not allowed with our E8 broken sym.
$391611.00811 \mathrm{H}-\mathrm{Z}$ mass difference is $8.3 \%$ in 14 billion years
-37 1607.00641 mono -x particles appear as galaxy bars
$35 \quad 1605.02862$ doubling Z while elim. H: perceived dark part. annih.
34 1605.0223 2 dark energy/fermion ratio matches E8,cyclic univ. to 1/2 1/2\%
32 1604.0010 1 dark energy/fermion ratio matches E8,cyc univ. to 2 \% 311603.01791 68/26\% dark/ferm. ratio matched to $6 \%$ by annih. of $\mathrm{Htt}+\mathrm{Ztt}+\mathrm{Ht}+\mathrm{Zt}$
-28 1512.04443 dark en. is expan. of space: formed by ann. -en. H,Z but no -en.
251511.01063 supersym. req. neg. en. but not possible in our broken sym. epoch
231508.00601 spin 0 supersym. has been found: the ttZ type remains to be found
21 1507.0203 1 correction of error results in 248 particle E8 sym. universe
$19 \quad 1506.00982$ two supersym. new particles for E8 x U(1) cyc. univ.
-17 1505.01522 ttH entity fomed before big bang is observable
15 1505.0039 3 E8 sym. theory: step-by-step history
$14 \quad 1504.00962$ failure of quantum mechanics for large scale univ.
$13 \quad 1504.00351$ tetraquark and proton are 248 plus 2 in our broken E8 univ.sym. univ.
121502.02091 four particles caused E8 sym. breaking at big bang -11 1501.01771 negative energy only real with unbroken E8 sym. $9 \quad 1411.00071$ no inflationary big bang but sym. breaking eventinste
51406.00991 dark energy, dark matter neg. bosons formed unbroken E8
$4 \quad 1405.02101$ grav is E8xU(1) broken sym. whichbegan withbig bang 31402.00051 unbroken E8 is requirement for negative energy. Note that 12 papers have importance level 2-4: thus 12-50 points to Higgs

