

ROMANIAN ASTRONOMICAL JOURNAL

Vol. 30 , No. 1, 2020

**C O N T E N T S**

C. DUMITRACHE, N.A. POPESCU In Memoriam Ieronim Mihăilă .....	3
M. STANGL, U. FOELSCHE The Spörer and Maunder minima of solar activity and the climate in Central Europe .....	9
B. RACSKÓ, L. Á. GERGELY Null shells in kinetic gravity braiding scalar-tensor theories .....	25
D. R. CONSTANTIN, V. I. R. NICULESCU, A. A. MOCANU, D. PRICOPI, E. VEREBELYI-VARGA The orbitals of Rydberg atom .....	35
C. GERGELY, Z. KERESZTES, L. Á. GERGELY 2+1+1 general relativistic Hamiltonian dynamics and gauge fixing in Horndeski gravity .....	43
P. SRIRAMACHANDRAN, S. NIRMALADEVI, R. VIJAYALAKSHMI, H. NEERAJA, R. SHANMUGAVEL Estimation of effective rotational temperature from spectral lines of YO molecule in sunspot spectrum .....	53
Z. KERESZTES, B. MIKÓCZI The motion and spin evolution of extended bodies in rotating black hole spacetimes .....	59

M. STAVINSCHI

Jean Dragesco at his 100th anniversary! ..... 81

C. DUMITRACHE

In Memoriam Tiberiu Oproiu (1939 – 2020) ..... 87