The second cohomology group for finite dimensional Jordan superalgebras I.

In studies dealing with superalgebras there arises the natural question of wheather some analogue to the Principal Wedderburn Theorem is valid. A negative answer to this question, is equivalent to say that the second cohomology group for Jordan superalgebras isn't trivial. Here we show some Jordan superalgebras A such that $A = J \oplus N$ where J is a simple Jordan superalgebra and N is an irreducible J-superbimodule, and the Wedderburn principal theorem is not valid.